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WEST VIRGINIA UNIVERSITY

FIFTY-EIGHTH YEAR

CATALOGUE AND ANNOUNCEMENTS

1924 1925

MORGANTOWN, WEST VIRGINIA

PUBLISHED BY THE UNIVERSITY

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UNIVERSITY CALENDAR

1925

June 15, Monday ..... Summer School begins

July 4, Saturday ..... A holiday

July 24, Friday ..... First half of Summer School closes

August 29, Saturday ..... Second half of Summer School closes

September 21, Monday ..... Opening of first semester

September 21, 22, 23 ..... Registration of Students

September 24, Thursday ..... First recitations of first semester

November 20, Friday ..... Day for mid-semester reports

November 26-29, Thursday to Sunday, inclusive
Thanksgiving Recess

December 19, Saturday to January 4, 1926, Monday, inclusive
Christmas Recess

1926

January 30, Saturday ..... Last recitation of first semester

January 30, Saturday to February 6, Saturday, inclusive
Final examinations of first semester

February 9, Tuesday ..... Opening of second semester

February 9, 10, Tuesday and Wednesday ..... Registration of students

February 11, Thursday ..... First recitations of second semester

April 3-5, Saturday to Monday, inclusive ..... Easter Recess

April 9, Saturday ..... Day for mid-semester reports

June 8, Tuesday ..... Last recitations of second semester

June 9, Wednesday to June 17, Thursday, inclusive
Final examinations of second semester

June 13, Sunday ..... Baccalaureate sermon

June 15, Tuesday ..... Commencement exercises

WEST VIRGINIA UNIVERSITY

Morgantown

ESTABLISHED FEBRUARY 7, 1867.

THE STATE BOARD OF CONTROL.

	TERM EXPIRES
JAMES S. LAKIN, PRESIDENT, *Charleston*	June 30, 1927
J. WALTER BARNES, TREASURER, *Charleston*	June 30, 1926
CLARENCE J. JACKSON, *Charleston*	June 30, 1929

The State Board of Control has the direction of the financial and business affairs of the state educational institutions.

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GEORGE M. FORD, STATE SUPERINTENDENT OF SCHOOLS, PRESIDENT, *Charleston*	March 4, 1929
L. W. BURNS, *Martinsburg*	June 30, 1925
MRS. LENNA LOWE YOST, *Charleston*	June 30, 1927
BERNARD McCLAUGHERTY, *Bluefield*	June 30, 1928
EARL W. OGLEBAY, *Wheeling*	June 30, 1929
W. C. COOK, *Welch*	June 30, 1930

The State Board of Education has charge of all matters of a purely scholastic nature concerning the state educational institutions.

NOTICE.

West Virginia University publishes a catalogue of over 400 pages as well as smaller bulletins descriptive of each of the various colleges and schools. Requests for copies of these publications and inquiries for information about the University and its work should be addressed to

The President's Office,
West Virginia University,
Morgantown, West Va.

ADMINISTRATIVE OFFICERS.

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ROBERT ALLEN ARMSTRONG, A.M., Litt.D., University Chaplain

ALFRED JARRETT HARE, A.M., Secretary of the Faculty and University Registrar

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JAMES MORTON CALLAHAN, Ph.D., Dean of the College of Arts and Sciences

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CHARLES ELMER LAWALL, M.S., Director of Mining Extension

GEORGE RICHARD LYMAN, Ph.D., Dean of the College of Agriculture

HENRY GRANGER KNIGHT, Ph.D., Director of the Agricultural Experiment Station

NAT TERRY FRAME, A.B., Director of Agricultural Extension

JOSEPH WARREN MADDEN, A.B., J.D., Dean of the College of Law

JOHN NATHAN SIMPSON, M.D., Dean of the School of Medicine

LOUIS BLACK, Director of the School of Music

LLOYD LOWNDES FRIEND, A.M., Director of the Summer School and University Examiner

THE COUNCIL OF ADMINISTRATION.

The President of the University and the Deans of the various colleges.

THE UNIVERSITY FACULTY.

The President, Deans of the various colleges, Professors, Associate Professors and Assistant Professors in all divisions of the University, the Dean of Men, the Dean of Women, the Commandant of Cadets, the Director of the School of Music and the Librarian of the University.

SAMUEL MORRIS, PH.D., *Professor of Chemistry*

FRED A. MOLBY, PH.D., *Professor of Physics*

EDWARD SILVER MACLIN, B.S.EDU., *Professor of Industrial Education*

JOSEPH WARREN MADDEN, B.A., J.D., *Professor of Law*

EDMUND CHARLES DICKINSON, A.B., J.D., *Professor of Law*

EDWARD JERALD VAN LIERE, M.S., M.D., *Professor of Physiology*

MAXWELL JAY DORSEY, PH.D., *Professor of Horticulture*

IRVIN HARDY, M.D., *Clinical Professor of Medicine*

CLIFFORD RAYMOND SNIDER, A.B., S.J.D., *Professor of Law*

LOUIS AUGUST RUFENER, PH.D., *Professor of Economics*

WILSON PORTER SHORTRIDGE, PH.D., *Professor of History*

FLOYD EARLE CHIDESTER, PH.D., *Professor of Zoology*

GORDON ALGER BERGY, PH.C., B.S, *Professor of Pharmacy*

JOHN LITTLEFIELD TILTON, PH.D., *Professor of Geology*

RALPH JOHN GARBER, PH.D., *Professor of Agronomy*

THOMAS LUTHER HARRIS, PH.D., *Professor of Sociology*

JOHN E. WINTER, PH.D., *Professor of Psychology*

ARTHUR ADAMS HALL, B.S.M.E., *Professor of Electrical Engineering*

PERRY DANIEL STRAUSBAUGH, PH.D., *Professor of Botany*

LELAND S. DEVORE, MAJOR, UNITED STATES ARMY, *Professor of Military Science and Tactics*

HOLLY ESTIL CUNNINGHAM, PH.D., *Professor of Philosophy*

WILLIAM ADAMS SMITH, M.D., *Professor of Bacteriology and Pathology*

ANDREW JACKSON DADISMAN, PH.D., *Professor of Farm Economics*

GEORGE RUSSELL BANCROFT, PH.D., *Professor of Physiological Chemistry*

ALLEN WILSON PORTERFIELD, PH.D., *Professor of German*

ROBERT CAMERON COLWELL, PH.D., *Professor of Physics*

LONNA DENNIS ARNETT, PH.D., *Librarian and Instructor in Library Science*

ASSOCIATE PROFESSORS.

EDGAR LEWIS ANDREWS, M.S., *Associate Professor of Poultry Husbandry*

HUBERT HILL, M.S., *Associate Professor of Chemistry*

GIDEON STANHOPE DODDS, PH.D., *Associate Professor of Histology and Embryology*

HARRY EDWARD KNOWLTON, PH.D., *Associate Professor of Horticulture*

HARLEY LUCIUS CRANE, M.S.AGR., *Associate Professor of Horticulture*

EARL CLAUDIUS HAMILTON DAVIES, PH.D., *Associate Professor of Chemistry*

EUGENE PEYTON DEATRICK, PH.D., *Associate Professor of Soils*

PERLEY ISAAC REED, PH.D., *Associate Professor of English*

ENOCH FRANKLIN GEORGE, PH.D., *Associate Professor of Physics*

CLAUDE CARL SPIKER, PH.D., *Associate Professor of Romance Languages*

ROBERT CLIFTON SPANGLER, A.M., *Associate Professor of Botany*

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EARL READ SCHEFFEL, M.S., *Associate Professor of Geology*

HARRY ORAM HENDERSON, M.S.,[3] *Associate Professor of Dairy Husbandry*

HOWARD BUSHNELL ALLEN, M.S., *Associate Professor of Agricultural Education*

THEODORE EUGENE ODLAND, M.S., *Associate Professor of Agronomy*

HARRY CHRISTOPHER HUMPHREYS, PH.D., *Associate Professor of Education*

2On leave of absence, 1924-25.

3On leave of absence 1924-25, studying at University of Minnesota.

CHARLES ELMER LAWALL, E.M., M.S., *Associate Professor of Mining Engineering and Director of Mining Extension*

LAKIN FISKE ROBERTS, A.M., *Associate Professor of Education*

JOHN FRANK PEARCY, PH.D., *Associate Professor of Physiology*

ELIZABETH MATTINGLY STALNAKER, PH.D., *Associate Professor of Education*

ASSISTANT PROFESSORS

BENJAMIN WALTER KING, A.M., *Assistant Professor of Economics*

GEORGE WALTER GROW, B.S.M.E., M.S., *Assistant Professor of Drawing and Machine Design*

HARVEY CARSON GRUMBINE PH.D.,[10] *Assistant Professor of English*

REBECCA LUELLA POLLOCK, A.M.,[4] *Assistant Professor of Education*

LILY BELL SEFTON DEATRICK, PH.D.,[5] *Assistant Professor of Chemistry*

KYLE CHESTER WESTOVER, M.S.AGR.,[6] *Assistant Professor of Drawing and Machine Design*

BENNETT SEXTON WHITE, B.S.M.E., *Assistant Professor of Drawing and Machine Design*

CLARENCE NEWTON REYNOLDS, JR., PH.D., *Assistant Professor of Mathematics*

EDMUND DANIEL McGARRY, A.B., M.B.A., *Assistant Professor of Pharmacy*

JAMES LESTER HAYMAN, B.S., PH.C., *Assistant Professor of Pharmacy*

MARGARET BUCHANAN, PH.D., *Assistant Professor of Mathematics*

JOHN RICHARDSON MILLER, PH.D., *Assistant Professor of Romance Languages*

ARTHUR R. WHITNER, CAPTAIN, U. S. INFANTRY, (D. O. L.) *Assistant Professor of Military Science and Tactics*

LEON H. LEONIAN, PH.D., *Assistant Professor of Plant Pathology*

4On leave of absence, 1924-25, studying at University of Iowa.
5On leave of absence, 1924-5.
6On leave of absence, 1924-5, studying at Cornell University.
10Resigned, April 1, 1925.

CHARLES MITRANI, A.M.,[7] *Assistant Professor of Romance Languages*

BIRD MARGARET TURNER, PH.D., *Assistant Professor of Mathematics*

ROY A. OLNEY, B.S., *Assistant Professor of Agricultural Education*

HUGH C. GILCHRIST, CAPTAIN INFANTRY, U. S. ARMY, *Assistant Professor of Military Science and Tactics*

THOMAS F. KERN, FIRST LIEUTENANT, U. S. ARMY, *Assistant Professor of Military Science and Tactics*

ADAM CRAWFORD, *Assistant Director of Mining Extension*

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WERNER CASPER MICHEL, D.P.S., *Assistant Professor of German*

JACOB SAPOSNEKOW, A.M., *Assistant Professor of Sociology*

ROBERT BARCLAY DUSTMAN, PH.D., *Assistant Professor of Chemistry*

LESTER COLLINS FARRIS, A.M., *Assistant Professor of English*

LELAND HART TAYLOR, S.D., *Assistant Professor of Zoology*

HARRY CURTIS MITCHELL, PH.D., *Assistant Professor of History*

CHARLES VINYARD WILSON, M.S., *Assistant Professor of Animal Husbandry*

ERWIN COVERDALE STILLWELL, M.S., *Assistant Professor of Animal Husbandry*

NELL NESBIT, A.M., *Assistant Professor of Home Economics*

JEAN ELNORA RICHMOND, A.M., *Assistant Professor of Home Economics*

WALTER ALLOS KOEHLER, CH.E., PH.D., *Assistant Professor of Chemical Engineering*

THOMAS FRASER, E.M., *Assistant Professor of Mining Engineering*

HOWARD J. GORMAN,[11] CAPTAIN, INFANTRY U. S. ARMY, *Assistant Professor of Miliary Science and Tactics*

FRANK B. HASTIE, FIRST LIEUTENANT, ENGINEER CORPS U. S. ARMY, *Assistant Professor of Military Science and Tactics*

[7]On leave of absence, 1924-25, studying at Harvard University.
[11]Died, April, 1925.

INSTRUCTORS.

SUSAN MAXWELL MOORE, A.B., *Instructor in Piano*

GRACE MARTIN SNEE, B.M., *Instructor in Piano and Pipe Organ*

RUFUS ASA WEST, *Instructor in Metalworking*

FLORA RAY HAYES, A.B., *Instructor in Theory and History of Music*

RAYMER EGBERT SEAMAN, *Instructor in Woodworking and Foundry Practice*

CLARA LYTLE, A.M., *Instructor in English*

ELIZABETH FROST REED, A.M., *Instructor in English*

MARJA STEADMAN FEAR, A.B., *Instructor in Public Speaking*

HAROLD MALCOLM CATHER, B.S.M.E., *Instructor in Drawing and Machine Design*

WILLIAM JOHN CARL, *Instructor in Foundry Practice*

ERNEST ANGELO, B.S.AGR., *Instructor in Horticulture*

CHARLES McCHESNEY BRAY, M.D., *Instructor in Physical Diagnosis*

CHARLES ROYAL KESSEL, M.D., *Instructor in Physical Diagnosis*

NELLIE PERRELL AMMONS, A.B., *Instructor in Botany*

WILLIAM OLIVER GNAGEY, *Instructor in Machine Shop Practice*

ALICE MILNER TAYLOR, B.S.H.E., *Instructor in Home Economics*

ROY EZEKIEL NELSON, B.S.C.E., *Instructor in Surveying*

FERRIS DEWEY CORNELL, JR., M.S., *Instructor in Farm Mechanics*

KARL SPANGLER QUISENBERRY, B.S.AGR.,[8] *Instructor in Agronomy*

ELMER LIONEL HAMMOND, PH.C., B.S.PHARM., *Instructor in Pharmacy*

LYDIA IRENE HINKEL, B.MUS., *Instructor in Public School Music*

GREEK SAYRE, A.M., *Instructor in English*

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HELEN PURINTON PETTIGREW, A.M., *Instructor in English*

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[8]On leave of absence, 1924-25, studying at University of Minnesota.

ETHEL BORDEN BLACK, *Instructor in Piano*

LOUIS WATSON CHAPPELL, M.A., *Instructor in English*

ALFRED BEVERLY SCOTT, *Instructor in Drawing*

ISABELLE LOWE COCHRANE, B.S., *Instructor in Home Economics*

JOSEPH HUNTER HASKELL, *Instructor in Mining (Extension)*

JULIAN PAUL MADDEN, *Instructor in Mining (Extension)*

EDWARD LEE SHAW, B.S.AGR., *Instructor in Animal Husbandry*

WILLIAM ORR SWAN, PH.D., *Instructor in Chemistry*

ROBERT GRAHAM TURNER, M.S., *Instructor in Chemistry*

ROBERT LOUIS MOLITOR, M.A., *Instructor in English*

ARCHIBALD MACGREGOR GRIMES, A.M., *Instructor in Spanish*

MARTHA THEODA FULTON, A.M., *Instructor in English*

GRACE MARGARET GRIFFIN, A.B., *Instructor in Physical Education for Women*

LEWIS VAN CARPENTER, B.S.C.E., *Instructor in Structural and Hydraulic Engineering*

DICKSON WARD PARSONS, M.S., *Instructor in Vocational Agriculture*

WALTER W. ARMENTROUT, B.S.AGR.,[9] *Instructor in Farm Economics*

FRANK DELLI-GATTI, *Instructor in Violin and Ensemble*

HARRY NEIGHARD GRUBER, B.S.AGR., *Field Instructor, U. S. Veterans' Bureau*

JOHN F. CAMPBELL, B.S., *Field Instructor, U. S. Veterans' Bureau*

EUGENE WILLIAM BELL, *Instructor in Mining (Extension)*

THOMAS JOHN BINNS, *Instructor in Mining (Extension)*

RAY HEWITT MAGEE, *Instructor in Mining (Extension)*

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SIDNEY LAMONT McGEE, A.B., *Instructor in Romance Languages*

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[9]On leave of absence, 1924-25, studying at University of Wisconsin.

VIRGIL ROSS HERTZOG, PH.G., *Instructor in Pharmacology*

JOSEPH BANKS RHINE, M.S., *Instructor in Botany*

DUNCAN CLAIRE HARKINS, A.M., *Instructor in Mathematics*

MYRON IRVING BARKER, A.B., *Instructor in Romance Languages*

BETRAM DONALD BARCLAY, B.S., *Instructor in Botany*

ARMAND RENE COLLETT, PH.D., *Instructor in Chemistry*

MORRIS JOSEPH FIELDS, M.B.A., *Instructor in Economics*

CLARENCE EUGENE GARLAND, PH.D., *Instructor in Chemistry*

SARA ELIZABETH SLATER, B.S., *Instructor in Home Economics*

WARREN GIFFORD, B.S.AGR., *Instructor in Dairy Husbandry*

TROY MANSELL CURRENCE, B.S.AGR., *Instructor in Horticulture*

GEORGE MALCOLM TROUT, M.S., *Instructor in Dairy Husbandry*

SHERMAN SHAW WHEELER, M.S., *Instructor in Animal Husbandry*

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HERALD GLYNN YOUNG, B.S., *Instructor in Physiology*

ANDREAS ELVIKEN, CAND. MAG., *Instructor in History*

PAUL AXEL EKE, PH.D., *Instructor in Farm Economics*

ASSISTANTS.

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HERMAN DELOSS STILLMAN, *Assistant in Woodworking*

LUCY BELTZHOOVER DILLE, *Assistant in Vocal Music*

HANNIBAL ALBERT DAVIS, A.B., *Assistant in Mathematics*

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HARLEY L. DEARBORN, SERGEANT, U. S. A., *Assistant to the Professor of Military Science and Tactics*

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WILLIAM H. RUSSELL, SERGEANT, (D.E.M.L.) U. S. A., *Assistant to the Professor of Military Science and Tactics*

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ALTON BEE FORTNEY, A.B., *Assistant in Chemistry*

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FRANK WALDO CRAIG, B.S.AGR., *Assistant in Entomology*

ERNEST THOMAS WIGHTMAN, B.S.AGR., *Assistant in Poultry Husbandry*

LEWIS GLENN STARK, B.S.AGR., *Assistant in Horticulture*

JAMES H. WHITE, SECOND LIEUTENANT, RESERVE CORPS, *Assistant to Professor of Military Science and Tactics*

EUGENE G. SMITH, SECOND LIEUTENANT, ENGINEER RESERVE CORPS, *Assistant to the Professor of Military Science and Tactics*

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JOHN FRANK BARTLETT, *Student Assistant in Chemistry*

WRIGHT MONTGOMERY WELTON, *Student Assistant in Chemistry*

LYLE KERMIT HERNDON, *Student Assistant in Chemistry*

CONSTANCE JANE SHARPLESS, *Student Assistant in Chemistry*

CHARLES WILLARD DRIVER, *Student Assistant in Chemistry*

ALBERT B. SCOTT, JR., *Student Assistant in Chemistry*

RAY ELLIOTT BOONE, *Student Assistant in Chemistry*

MAHON LUCAS HENDERSON, *Student Assistant in Chemistry*

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LUCY MALINDA WOLFE, *Student Assistant in Chemistry*

DOROTHY WOODBURN, *Student Assistant in Chemistry*

HUGO BLUMENBERG, *Student Assistant in Economics*

JOHN VIRGIL ROACH, *Student Assistant in Economics*

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NETTIE SOUTHWORTH HERNDON, *Student Assistant in History*

EULAI BROOKS CALLAGHAN, *Student Assistant in Chemistry*

THOMAS STEPHEN CRAWFORD, *Student Assistant in Mathematics*

THEODORE COOPER, *Student Assistant in Zoology*

RICHARD CONNER HAISLIP, *Student Assistant in Zoology*

CHARLES LYNVILLE LEPPERT, *Student Assistant in Zoology*

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JOHN PIERPONT HELMICK, *Student Assistant in Philosophy*

JANE COX, *Student Assistant in Psychology*

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KENNETH DEAHL, *Student Assistant in Surveying*

HICKMAN CHARLES MURPHY, *Student Assistant in Agronomy*

GEORGE OSCAR MULLAN, *Student Assistant in Poultry Husbandry*

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ALLEN McKINLEY ELLIOTT, *Student Assistant in Dairy Husbandry*

THE WEST VIRGINIA AGRICULTURAL EXPERIMENT STATION STAFF

GEORGE RICHARD LYMAN, PH.D., *Dean of the College of Agriculture*

HENRY GRANGER KNIGHT, PH.D., *Director and Chemist*

WILLIAM EARL RUMSEY, B.S.AGR., *State Entomologist*

LEONARD MARION PEAIRS, M.S., *Entomologist*

HORACE ATWOOD, M.S.AGR., *Poultry Husbandman*

*NAHUM JAMES GIDDINGS, PH.D., *Plant Pathologist*

*ERNEST LEE ANTHONY, M.S., *Dairy Husbandman*

*EDWARD ALEXANDER LIVESAY, M.S., M.A.,[5] *Animal Husbandman*

*MAXWELL JAY DORSEY, PH.D., *Horticulturist*

*RALPH JOHN GARBER, PH.D., *Agronomist*

*ANDREW JACKSON DADISMAN, PH.D., *Farm Economist*

*HARRY EDWARD KNOWLTON, PH.D., *Associate Horticulturist*

*HARLEY LUCIUS CRANE, M.S.AGR., *Associate Horticulturist*

*EUGENE PEYTON DEATRICK, PH.D., *Associate Soil Technologist*

*HARRY ORAM HENDERSON, M.S.,[5] *Associate Dairy Husbandman*

*THEODORE EUGENE ODLAND, M.S., *Associate Agronomist*

CHARLES EDWARD WEAKLEY, JR., A.B., *Assistant Chemist*

ANTHONY BERG, M.S., *Assistant Plant Pathologist*

LUTHER FRANCIS SUTTON, B.S.AGR.,[3] *Assistant Horticulturist*

*KYLE CHESTER WESTOVER, M.S.AGR.,[5] *Assistant Horticulturist*

†EVERETT CLIFTON SHERWOOD, M.S., *Assistant Plant Pathologist*

THEODORE CLINTON MCILVAINE, PH.D., *Assistant Agronomist*

THEODORIC BRYANT LEITH, B.A.,[1] *Assistant Chemist*

Agricultural Experiment Station Staff—(Continued)

ROSS HOMAN TUCKWILLER, B.S.,[2] *Assistant Animal Husbandman*

*LEON H. LEONIAN, PH.D., *Assistant Plant Pathologist*

*ERWIN COVERDALE STILLWELL, M.S., *Assistant Animal Husbandman*

*CHARLES VINYARD WILSON, M.S., *Assistant Animal Husbandman*

†CHARLES ELLSWORTH STOCKDALE, B.S.AGR., *Agricultural Editor*

*ERNEST ANGELO, B.S.AGR., *Junior Horticulturist*

*FERRIS DEWEY CORNELL, JR., M.S., *Junior Farm Engineer*

*KARL SPANGLER QUISENBERRY, B.S.AGR.,[5] *Junior Agronomist*

THOMAS JOSEPH COCHRANE, B.S., *Junior Chemist*

‡WALTER W. ARMENTROUT, B.S.AGR.,[5] *Junior Farm Economist*

*WARREN GIFFORD, B.S.AGR., *Junior Dairy Husbandman*

*TROY MANSELL CURRENCE, B.S.AGR., *Junior Horticulturist*

*GEORGE MALCOLM TROUT, M.S., *Junior Dairy Husbandman*

JOHN CHARLES JOHNSTON, *Chief Clerk*

2In co-operation with the U. S. Department of Agriculture.
1In co-operation with the State Department of Agriculture.
3In charge of Reymann Memorial Farms.
4In charge of sub-station at Maggie, W. Va.
5On leave of absence, 1924-25.
*Member of Staff of Instruction and of Experiment Station Staff.
†Member of Experiment Station Staff and Extension Staff.
‡Member of Staff of Instruction, Experiment Station Staff and Extension Staff.

AGRICULTURAL EXTENSION STAFF

GEORGE RICHARD LYMAN, PH.D., *Dean of the College of Agriculture*

NAT TERRY FRAME, A.B., *Director*

WILLIAM HENRY KENDRICK, B.S., *Assistant Director in Charge of Boys' Club Work*

CHARLES HENRY HARTLEY, B.S., *Assistant Director in Charge of Supplementary Instruction*

HAZEL HORSFALL, B.S., *State 4-H Club Agent*

CHARLES ELLSWORTH STOCKDALE, B.S.AGR., *Agricultural Editor*

EDWARD LEE SHAW, B.S.AGR., *Sheep Specialist*

DAVID ROLLIN DODD, B.S.AGR., *Agronomy Specialist*

HUGH WILLARD PRETTYMAN, B.S.AGR., *Superintendent of the Packing School*

DEE CRANE, *Potato Specialist*

BENJAMIN FRANKLIN CREECH, B.S.AGR., *Specialist in Beef Cattle and Hogs*

THOMAS DAVIS GRAY, B.S., *Specialist in Horticulture*

EVERETT CLIFTON SHERWOOD, M.S., *Specialist in Plant Diseases*

GEORGE JAY VAN DERVEER, B.S., *Assistant Poultry Specialist*

JEANNETTA WEIL, *Chief Clerk in Charge of Clerks and Stenographers*

MARY CATHRYN MORELAND, B.S.AGR., *Specialist in Home Industries*

AARON H. RAPKING, B.D., *Specialist in Rural Organizations*

JAMES VINCENT HOPKINS, B.S.AGR., *Specialist in Dairying*

‡WALTER W. ARMENTROUT, B.S.AGR., *Marketing Specialist*

ORVILLE DEWEY WHITE, B.S.AGR., *Poultry Specialist*

LIBRARY STAFF

LONNA DENNIS ARNETT, Ph.D., *Librarian*

JENNIE DELAWDER BOUGHNER, A.B., *Assistant Librarian*

EVALYN HITE, A.B., *Assistant Librarian*

IDA VIRGINIA CARTER, *Assistant Librarian*

ELEANOR EDDY KNUTTI, *Assistant Librarian*

HELEN LOUISE EDMONDSON, A.B., *Assistant Librarian*

CLYDE HAMPTON HALL, *Student Assistant*

ODAS WILLIAMSON, *Student Assistant*

MARY OLIVE REINER, *Student Assistant*

WILLIAM CHARLES PIPER, *Student Assistant*

MARY ROCAWICH, *Student Assistant*

HENRY CLAY GREGORY, *Student Assistant*

BENJAMIN GARNET REEDER, A.B., LL.B., *Law Librarian*

KENNETH E. MICHAEL, *Student Assistant in the Law Library*

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DAVID DALE JOHNSON, A.M., *Editor University Publications*

BERTHA BROWNING PURINTON, A.M., *Assistant to the Registrar*

HARRY ADAM STANSBURY, B.S., *Director of Athletics*

CHANDLER LINN BROOKS, *Superintendent of Buildings and Grounds*

ISABEL HAYES, *Preceptress of the Woman's Hall*

ELIZABETH B. ABBOTT, *Assistant Preceptress at the Woman's Hall Annex*

WILLIAM J. JONES, Jr., B.S., *Director University Y. M. C. A.*

KATHERINE BUTLER, B.A., *General Secretary University Y. W. C. A.*

FRANK ROY YOKE, A.B., *Alumni Secretary*

CHARLES ROYAL KESSEL, B.S., M.D., *University Physician*

EMERSON CARNEY, *In charge of University Book Store*

LUCY STONE KELTON, *Dietitian*

EDITH W. BEYER, R.N., *University Nurse*

THE ATHLETIC BOARD

FACULTY MEMBERS: Director STANSBURY (Ex-officio), Professor S. J. MORRIS and Mr. HARTLEY.

ALUMNI MEMBERS: GILBERT B. MILLER, Morgantown, W. Va. (Term expires June 30, 1925), FRED B. DEEM, Clarksburg, W. Va. (Term expires June 30, 1926).

STUDENT MEMBERS: R. M. HAWLEY, (Term expires June 30, 1926), K. D. BOWERS, (Term expires June 30, 1925).

STANDING COMMITTEES

ENTRANCE: The President and deans of the three colleges admitting Freshmen.

CLASSIFICATION AND GRADES: Professors HARE, TROTTER, GRUMBEIN, BONAR and Associate Professor DADISMAN.

GRADUATE WORK: Professors STATHERS, GIDDINGS, FORMAN, L. B. HILL and HARRIS.

PUBLIC EXERCISES AND ENTERTAINMENTS: Professors KAY and BLACK, Director Y. M. C. A., Director Y. W. C. A., President Student Council and Mr. HARTLEY (Secretary).

PRIZES: Professor VICKERS, Dean MADDEN, Professors COX, AMBLER, and CHIDESTER.

LIBRARY: Dr. ARNETT, Professors ARMSTRONG, SIMPSON, HAYES, CLARK, BROWN, S. MORRIS, and DORSEY.

WOMEN STUDENTS: Dean FULTON, Professor R. H. COLWELL, Assistant Professor POLLOCK, Miss FLORA HAYES, Miss GRIFFIN, and Miss ISABEL HAYES.

UNIVERSITY PUBLICATIONS: Professors JOHNSON, BARBE, CANNADAY, HODGE and DICKINSON, Mr. STOCKDALE and Assistant Professor KING.

Standing Committees—(Continued)

Student Publications: Professors CHITWOOD, R. L. MORRIS and BANCROFT, and Associate Professors REED and SPANGLER.

Summer School: President TROTTER, Mr. FRIEND, DEAN CALLAHAN, Dean LYMAN, and Professor DEAHL.

Military and Gymnasium Board: Major DEVORE, Dean SIMPSON and Director STANSBURY.

Social Affairs: Professors DARBY and KAY, Dean STONE, Dean FULTON, Major DEVORE, Miss ISABEL HAYES and Miss GRIFFIN.

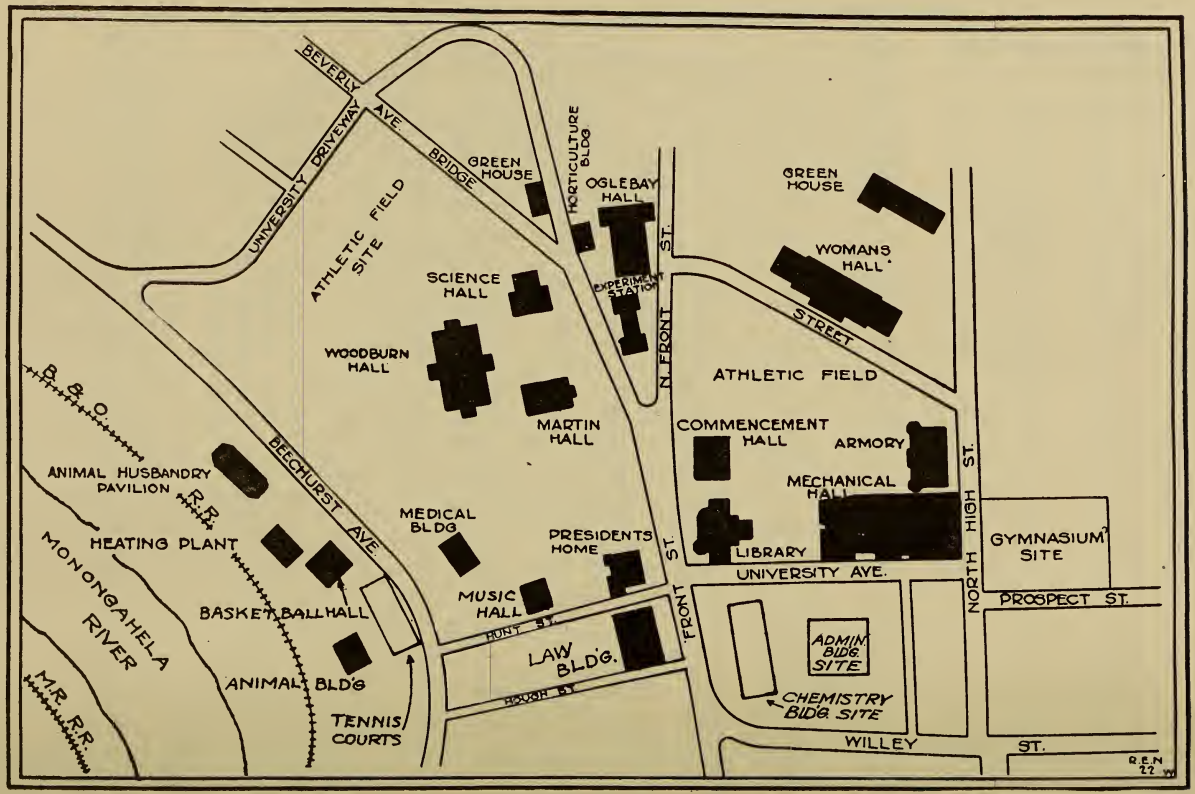
Student and Fraternity Standings: Professors REESE, J. R. TROTTER and PEAIRS.

Research: Professors REESE, COX, EIESLAND, JACOBSON, KNIGHT, DAVIS, DORSEY, and BISHOP.

Fraternities: Mr. W. S. JOHN (Delta Tau Delta), Professor REESE (Beta Theta Pi), Mr. WILLIS (Phi Sigma Kappa), Professor HARDMAN (Sigma Nu), Dr. ARNETT (Sigma Chi), Professor VICKERS (Phi Kappa Psi), Professor ARMSTRONG (Kappa Alpha), Assistant Professor GROW (Sigma Phi Epsilon), Associate Professor DADISMAN (Kappa Sigma), Mr. GLEN HUNTER (Phi Kappa Sigma), Professor COX (Theta Chi), Assistant Professor SPRAY (Sigma Lambda Pi), Professor VAN LIERE (Phi Beta Pi), Dean SIMPSON (Phi Sigma Nu), Professor S. J. MORRIS (Kappa Psi), Mr. BENNETT, (Alpha Gamma Rho), Mr. BOOTH, (Tau Kappa Epsilon), and Dean STONE, (Pi Lambda Phi).

Sororities: Professor COLWELL (Alpha Xi Delta), Mrs. HITE (Kappa Kappa Gamma), Mrs. BARBE (Chi Omega), Mrs. REED (Pi Beta Phi), Mrs. HUBERT HILL (Delta Gamma), and Mrs. I. E. ROGERS (Alpha Delta Pi).

University Etension: Director FRAME, Professors COLWELL, L. B. HILL, KAY, AMBLER, HAYES, BONAR, MACLIN and HARRIS, Associate Professor REED, Assistant Professor McGARRY, Dean STONE, and Mr. YOKE.


BEVERLY AVE.
UNIVERSITY DRIVEWAY
BRIDGE
GREEN HOUSE
HORTICULTURE BLDG
OGLEBAY HALL
ATHLETIC FIELD SITE
SCIENCE HALL
EXPERIMENT STATION
N. FRONT ST.
GREEN HOUSE
WOMANS HALL
STREET
WOODBURN HALL
ATHLETIC FIELD
B. & O.
MARTIN HALL
COMMENCEMENT HALL
ARMORY
BEECHURST AVE.
ANIMAL HUSBANDRY PAVILION
MECHANICAL HALL
NORTH HIGH ST.
MEDICAL BLDG
PRESIDENTS HOME
GYMNASIUM SITE
HEATING PLANT
LIBRARY
UNIVERSITY AVE.
MONONGAHELA RIVER
MUSIC HALL
PROSPECT ST.
BASKETBALL HALL
HUNT ST.
FRONT ST.
ADMIN. BLDG. SITE
LAW BLDG.
CHEMISTRY BLDG. SITE
ANIMAL BLD'G
M.R. R.R.
TENNIS COURTS
WILLEY ST.
R.E.N. 22

THE UNIVERSITY

DESCRIPTION OF THE INSTITUTION

LOCATION.

Morgantown, the seat of the University, is the county seat of Monongalia county. It is a town of twelve thousand inhabitants, located on the Monongahela river and on the Baltimore and Ohio Railroad, the Morgantown and Kingwood Railroad, and the Monongahela Railway, 103 miles east of Wheeling and the same distance south of Pittsburgh.

The University campus borders the Monongahela river. It comprises about fifty acres. The University farms, a mile distant from the campus, contain in all almost seven hundred acres.

HISTORY.

West Virginia University originated from the national land grant act of June 2, 1862, and from the subsequent action of the state legislature in accepting and carrying out the provisions of the act. On January 9, 1866, the board of trustees of the Monongalia Academy at Morgantown tendered to the legislature for the use of the contemplated state or land grant college, all its property, including Woodburn Female Seminary, on condition that the college should be located at Morgantown. On January 30, 1867, the legislature accepted the property and on February 7 passed an act permanently establishing "The Agricultural College of West Virginia" and authorizing the governor to appoint eleven suitable persons as a board of visitors.

The eleven visitors held the first meeting on April 3, 1867, at which time they appointed Alexander Martin president and established collegiate, scientific and agricultural departments of instruction.

By an act of December 4, 1868, the name of the college was changed to "West Virginia University" and the "board of visitors" to the "board of regents." July 1, 1919, the "board of regents" was merged in "the state board of education."

The dates of the establishment of the special colleges and schools now comprised in the University are as follows: The College of Law, 1878; the College of Engineering, 1887; the Agricultural Experiment Station, 1888; the College of Agriculture, 1897; the School of Music, 1897; the School of Medicine, 1902.

The University has had nine regular presidents. Alexander Mar-

tin resigned in 1875. He was succeeded by John W. Scott (acting president), 1875-77; John Rhey Thompson, 1877-81; Daniel Boardman Purinton (acting president), 1881-82; William L. Wilson, 1882-83; Robert C. Berkeley (chairman of the faculty), 1883-85; Eli Marsh Turner, 1885-93; Powell Benton Reynolds (acting president), 1893-95; James L. Goodnight, 1895-97; Jerome Hall Raymond, 1897-01; Daniel Boardman Purinton, 1901-11; Thomas Edward Hodges, 1911-14; Frank Butler Trotter (acting president, 1914-1916), 1916.

GOVERNMENT AND ORGANIZATION.

The financial and business affairs of the university and of all the other state educational institutions are directed by a State Board of Control consisting of three members appointed by the governor. This board also exercises a general control over the various public institutions of the state. The academic control of the University (and also of the other educational institutions of the state, with the exception of the School for the Deaf, Dumb and Blind, The Boys' Reform School, and The Girls' Industrial School), is vested in The State Board of Education. The board is bi-partisan and consists of the state superintendent of free schools (ex-officio), who is elected by the people, and of six other members who are appointed by the governor.

The internal administration of the University is vested in the President, The Council of Administration, and the University Faculty. All matters of a purely administrative or executive nature are in the hands of the President alone or of the President and Council. The Faculty is the general legislative body; it fixes the requirements for entrance and graduation and has immediate direction of the general educational policy of the institution. Any proposal to change this policy in any respect must be made in writing at a meeting of the Faculty.

Subordinate to the Faculty are a number of standing committees, appointed by the President. See page (?).

The University organization embraces:

The College of Arts and Sciences.

The College of Engineering and Mechanic Arts.

The College of Agriculture, including the West Virginia Agricultural experiment Station and the Division of Agricultural Extension.

The College of Law.

The School of Medicine.

The School of Music.

The Summer School.

The Division of Military Science and Tactics.

FUNDS.

The funds for maintaining the University are derived from the following sources: (1) Interest on the land grant endowment of $115,750; (2) the Morrill fund; (3) the Hatch fund; (4) the Adams fund; (5) the Smith-Hughes and the Smith-Lever funds; (6) biennial appropriations by the state legislature; (7) fees and tuition; (8) income derived from the work of the Experiment Station and the College of Agriculture.

BUILDINGS.

There are now on the campus fourteen substantial brick and stone buildings. The administrative offices of the University are in Woodburn Hall. Funds for a new gymnasium, and for a new building for the department of chemistry, have been appropriated by the state legislature.

THE UNIVERSITY LIBRARY.

The Library Building is a three-story stone structure, 135 feet long by 50 feet wide, with book room annex in the rear. The basement of the building is used for storage. On the first, or main floor, are the reading and reference rooms, rooms for the books on education and medicine, and the cataloguing rooms and the office of the librarian. On the upper floors are rooms for government documents, for books on agriculture, engineering, and for class work.

The University Library consists of the General and Law Libraries. The General Library is located in the Library Building and numbers about 74,000 volumes. The Law Library, located in the Law Building, numbers about 18,000 volumes. The library of the Agricultural Experiment Station is now shelved with and is a part of the General Library. About three hundred periodicals, including publications of societies, are received. Most of the county papers of the state are on file in the reading room.

LABORATORIES.

The University contains the following laboratories:

Agronomy	Oglebay Hall
Anatomy	Medical Building
Animal Husbandry	Oglebay Hall
Bacteriology	Medical Building
Botany	Oglebay Hall
Chemistry	Science Hall
Chemical engineering	Mechanical Hall
Dairy husbandry	Oglebay Hall
Educational psychology	Woodburn Hall
Electrical engineering	Mechanical Hall
Entomology	Oglebay Hall
Forging	Mechanical Hall
Foundry	Mechanical Hall
Fruit packing	Inwood, W. Va.
Geology	Mechanical Hall
Hydraulic engineering	Mechanical Hall
Histology	Medical Building
Horticulture	Oglebay Hall
Machine shop	Mechanical Hall
Metallurgy	Mechanical Hall
Mining engineering	Mechanical Hall
Mechanical drawing	Mechanical Hall
Oil and gas	Mechanical Hall
Pathology	Medical Building
Physiology	Medical Building
Physics	Martin Hall
Pharmacology	Medical Building
Pharmacy	Woodburn Hall
Pipe Fitting	Mechanical Hall
Plant pathology	Oglebay Hall
Poultry Husbandry	Oglebay Hall
Power	Mechanical Hall
Psychology	Library
Sheet metal	Mechanical Hall
Testing	Mechanical Hall
Road material testing	Mechanical Hall
Veterinary science	Oglebay Hall
Woodworking	Mechanical Hall
Zoology	Woodburn Hall

A detailed description of the various engineering and agricultural laboratories as well as of the laboratories of the School of Medicine will be found in connection with the announcements of these departments on later pages of this catalogue.

MILITARY TRAINING.

Military training is prescribed for all regular male students in the University below the rank of junior unless such students are more than twenty-three years of age upon their entrance to the University. Certain exceptions to this requirement are stated in full in the detailed announcements of the Division of Military Science.

Enrollment in the Division of Military Science or appointment as a state cadet does not render the student liable for military service either to the State or to the United States government.

A unit of the Reserve Officers' Training Corps was established at the University in 1916. An Engineer Unit, Senior Division of the Reserve Officers' Training Corps was established in 1919.

ATHLETICS.

The department of athletics, as now organized, is under the supervision of a director. Football, baseball, basketball, wrestling, track, cross-country and tennis teams are organized and trained each season. All University athletics are under the control of the athletic board. This board is composed of the director of athletics, two other members of the University faculty, two alumni of the University, and two students.

The faculty members of the board are appointed by the President of the University and serve during his pleasure. One faculty member is designated as chairman of the board. He is the executive officer of the board and has no vote except in case of a tie.

The alumni members are elected by the Alumni Association at their annual meeting at commencement for a term not exceeding two years. Not more than one alumni member shall be a resident of Monongalia County.

The student members of the board are elected by the student body by ballot. One member in full standing in the junior class, a candidate for a degree, is elected to serve two years at a poll held not later than June 1 of each year. All details of these elections are in the hands of the Inter-Class Council in consultation with the President of the University.

PHYSICAL EDUCATION FOR WOMEN.

Physical education is required of all freshman women throughout the college year. Three hours a week is devoted to indoor and outdoor exercise and to lectures on hygiene. A credit of one hour for each semester is given to those who satisfactorily complete the work.

HEALTH SERVICE.

All students of the University pay a medical fee of $2.50 each semester, in return for which they receive free drug service from the department of pharmacy of the University, and free medical attention, including minor surgery (specialties excepted) from the University physician.

Students wishing to avail themselves of the Health Service are expected to call at the office of the University physician. His office hours are 9 to 12 and 2 to 5 daily except Sunday.

If students are unable to leave their rooms the physician will attend them at their residences and may be summoned by telephoning 475 during office hours or 1295 at other times.

In case the student cannot communicate with the University physician he is privileged to call another physician, the University paying for this first call, but this service must be terminated after the first call unless the student wishes to pay for further services himself.

The University maintains a student infirmary, on the first floor of which are the waiting rooms and the offices of the physician and the nurse. On the second floor is an isolation room where students having contagious disease may be isolated from the other students and treated.

A three-bed ward is maintained for the treatment of any student, who may require only a day or two of treatment, or for any student needing hospital treatment who is unable to pay for hospital service. This is not to be construed as general hospital service for the student body, nor does the University render nursing service at the rooms of the students. The student nurse is available only for such service as can be rendered at the infirmary.

UNIVERSITY FEES AND EXPENSES.

Class officers will issue class cards only on presentation of the receipt for the proper tuition and fees, signed by the registrar and the financial secretary.

Tuition and Fees for each semester.	Residents.[1]	Non-residents.
College of Arts and Sciences	Free	$ 50.00
College of Engineering	Free	50.00
College of Agriculture	Free	50.00
College of Law	$ 25.00	50.00
School of Medicine	25.00	100.00
Summer School	10.00	15.00
Contingent fee	15.00	15.00
Student activity fee	5.00	5.00
Medical fee	2.50	2.50
Registration fee[2]	2.00	2.00
Diploma fee[3]	10.00	10.00
Students' record fee[4]	1.00	1.00

REFUNDING OF TUITION AND FEES.

Students who withdraw from the University for good and sufficient reasons during the first two weeks of the semester will have their fees refunded upon making application to the President.

COST OF A YEAR'S WORK.

Board and lodging may be obtained in Morgantown for from $8.00 to $10.00 a week. Furnished rooms may be obtained at from $2.00 to $3.50 a week for each tenant with two in a room. Board in private families or in students' boarding clubs costs from $6.00 to $7.00 a week. A student's washing will cost usually from $10.00 to $18.00 a year, his text books from $8.00 to $30.00 a year, and his college fees $40.00 a year. Traveling expenses, clothing, and miscellaneous expenses will depend largely upon the tastes and habits of the individual. In general it may be said that the legitimate cost of a nine months' term of residence at the University ranges from $400.00 to $650.00, exclusive of traveling expenses.

See page 45 for schedule of prices for rooms in the women's dormitories.

1Students are considered to be resident students if at the time of their registration their parents or guardians have been residents and citizens of the State for at least one year. No non-resident student shall gain residence entitling him to reduction or exemption from tuition merely by his attendance at the University.—Order of the Board of Education.

2As a reward for prompt registration this fee is remitted to all students who procure class cards during the first three days of the first semester, and the first two days of the second semester. Students whose work is exclusively in music are excused from payment of the $2.00 resigistration fee.

3The diploma fee is payable by all students at the beginning of the semester in whch they expect to receive their degree or diploma.

4This fee is charged for furnishing a copy of a student's record in the registrar's office after the regular semester reports have been issud.

ADMISSION TO THE UNIVERSITY.

METHODS OF ADMISSION.

Students are admitted to the University either by examination or on certificate from an accredited preparatory school. In the latter case the certificate must set forth the work of the student in detail. Diplomas or certificates of a general nature are not sufficient.

Candidates for admission to the University must be at least sixteen years of age. They must present certificates of good moral character and, if from other colleges or universities, must present letters of honorable dismissal.

Candidates for admission who do not present entrance certificates, or who come from other institutions of learning without letters of honorable dismissal, may, at the discretion of the registrar, be allowed to register provisionally. In every such case the registrar will make immediate inquiry of the institution from which the applicant comes and if satisfactory certificates of credit and good standing can not be obtained the registration will be cancelled and the fees paid by the applicant will be returned. A provisional registration will not ordinarily be continued for a longer period than one month.

ENTRANCE CREDITS.

The requirements for admission to the various colleges of the University are stated in terms of units.

A unit in any subject represents the amount of work that may be done in a standard high school in a year of thirty-six weeks, with five recitation periods of not less than forty minutes each, per week. In courses where laboratory work is required, from two to three hours of laboratory work is considered the equivalent of one hour of recitation, according to the amount of outside preparation required in connection with such work.

In accrediting West Virginia high schools the University follows the classification made by the state supervisor of high schools. Graduates of accredited schools receive credit for the work certified, with the understanding, however, that no student may enter any college of the University until he has credit for fifteen units, i. e., the work of a standard four-year high school course.

Graduates of the state normal schools and of all other schools in good standing will receive credit for work properly certified.

Certificates of entrance credits should be on the blank form prescribed by the University or on a similar form, so that credit values may be readily computed. These certificates should be sent in to the registrar at least two weeks before the applicant presents himself for

matriculation. Failure to do this may result in vexatious delay in registration and may render the student liable to the payment of the $2.00 registration fee. After the certificate has been considered by the Committee on Entrance and the credits recorded, it becomes the property of the University and is permanently filed in the registrar's office.

PRESCRIBED AND ELECTIVE UNITS.

A. The following groups are required:
   (1) Three or four units of English.[1]
   (2) Three units of a second subject.
   (3) Two units of a third subject.
   (4) Four units elective.
   Note: In the above must be included two units of mathematics: one of algebra and one of plane geometry.

B. The work indicated in A must include: For admission to the College of Law: 2 units of Latin. For admission to the College of Engineering: 1½ units of algebra, 1 unit of plane geometry, and ½ unit of solid geometry. For admission to the School of Medicine: 2 units of Latin, 1 unit of history, 1 unit of algebra, and 1 unit of plane geometry.

C. Work in the following subjects not to exceed the number of units placed after each subject will be accepted:

English	4 units	Physics	1 unit
Foreign Languages[2]		Chemistry	1 unit
Latin	4 units	Biology[4]	1 unit
Greek	3 units	Botany[4]	1 unit
French	3 units	Geology	1 unit
German	3 units	Zoology[4]	1 unit
Spanish	3 units	General science	1 unit
Italian	3 units	Physical geography	½ unit
Education	2 units	Physiology	½ unit
Science[3]		Hygiene and sanitation	½ unit

1A student entering with only three units in English must take six hours in college English as elective above the mnimum requirements for the degree for which he is a candidate.

2Not less than two units of one foreign language will be accepted for entrance unless supplemented by further work in college in the same language to complete a minimum equivalent of two units of entrance. Six hours of college work are accepted as equivalent to one entrance unit in a foregn language.

3A group of two or three units in science may be made by combining one unit each of any of the following: physics, chemistry, botany, biology, zoology, geology.

4If a student presents either botany or zoology for entrance he can not have credit for more than one-half unit of biology; if he presents both botany and zoology, no credit in biology will be allowed.

Mathematics		Mechanical drawing	1 unit
Algebra	2 units	Commercial geography	½ unit
Plane geometry	1 unit	Commercial law	½ unit
Solid geometry	½ unit	Vocational subjects (not to exceed four units in all.)	
Trigonometry	½ unit	Agriculture	3 units
History and Economics		Household arts	3 units
History	3 units	Manual training	3 units
Civics and American history	1 unit	Bookkeeping or bookkeeping and commercial arithmetic	2 units
Economics	1 unit	Shorthand and typewriting	2 units
Sociology	1 unit		
Music[1] (applied)	2 units		
Drawing			
Free-hand drawing	1 unit		

CONDITIONAL ADMISSION.

Students who have credit for fifteen units of secondary school work but who can not meet the specific requirements (see A and B above) of the college they desire to enter may register as conditional freshmen in that college. Such students must make up all deficiencies before they can be classified as sophomores.

SPECIAL STUDENTS.

Persons who do not desire to become candidates for a degree, may, by permission of the Committee on Entrance and of the faculty or dean of the college which they wish to enter, be admitted as special students, subject to the following provisions:

1. Special students must as a rule be twenty-one years of age or over (twenty-two in the College of law).

2. Special students must satisfy at least nine units of the requirements for admission, including two units of English. (For academic requirements for admission as special students in the College of Law see the announcements of that college).

3. Every application for admission as a special student must be presented in writing to the Committee on Entrance and must set forth fully the applicant's reason, together with a detailed statement of the studies he desires to pursue.

4. Special students are subjected in all respects to the usual rules relating to registration and scholarship. They may be assigned to classes for which they apply, it being understood, however, that admission to any class rests entirely with the instructor in charge and further, that admission to any class when so granted does not necessarily imply credit for prerequisites.

ADVANCED STANDING.

Applications for advanced standing on account of work of college grade done before entrance to the University should be made to the Committee on Entrance not later than two weeks after the applicant's matriculation. Certificates of college credits must be presented on a separate form from the entrance credits.

If no certificates are offered or if those offered are considered by the Committee on Entrance to be irregular or insufficient, the committee will arrange for an examination of the applicant. In this case the dean of the proper college will issue examination cards on which after examination the head of each department will report to the Committee on Entrance the numbers, names, and credit values of the courses, if any, for which the applicant is entitled to credit.

CREDITS.

A credit or semester-hour represents the amount of work done in one semester (eighteen weeks), in one recitation hour with two preparation hours a week. From two to three hours of laboratory work is considered equivalent to an hour of recitation, according to the amount of outside work assigned in connection with the laboratory hours.

Fewer than ten hours in an ancient or modern language will not be counted toward any University degree, diploma or certificate unless work in the same language has been offered for entrance.

MAXIMUM AND MINIMUM WORK.

A maximum and minimum number of hours of which a student may register in any one semester is established for each college. A student desiring to do irregular work, more or less than the prescribed number of hours in any college, must obtain permission from the committee on students' courses and hours in that college.

Registration for more than the specified maximum work shall be permitted only for the removal of conditions or better adjustment of schedules and not in any case for the purpose of shortening the time regularly required for the work of the degree sought by the student.

SUBSTITUTION FOR REQUIRED COURSES.

A student who desires to substitute another course in place of any course prescribed in his curriculum or required for the degree toward which he is working, must obtain permission for such substitution from the committee on students' courses and hours in his college, but there can be no substitution from group to group.

WITHDRAWAL FROM THE UNIVERSITY.

A student desiring to withdraw from the University must apply to the President, or, in his absence, to the registrar, for permission. When the withdrawal permit has been secured it must be presented by the student to his class officer, who will approve it and forward it to the registrar. Students who withdraw from the University without permission will have their grades reported as zero at the end of semester and then be indefinitely suspended.

ABSENCES.

Students are required to be present at every recitation and examination of the courses for which they are registered. Punctuality, regular attendance, and attention to the work of the class room will be largely considered in determining the class grade of the student.

Students who find it necessary to be absent from Morgantown while the University is in session must secure permission, in advance from the President or the dean of men.

When a student has seven unexcused absences he is suspended until the end of the semester or until the dean of his college alone or in conference with the President, restores him to good standing.

Before the final examinations the dean of men reports all the unexcused absences of the semester to the instructors who give these absences consideration in making up their final grades.

If a student's absences in any course exceed twelve percent of the total number of recitations in the course he is barred from the final examination in that course unless special permission is given him to take such examination by the Committee on Classification and Grades on recommendation of the instructor and the dean of his college.

In case of absences at the beginning of either semester a deduction of two per cent. from the final grade in every subject is made for each exercise missed, for all absences not more than seven in number, unless such absences are excused by the Committee on Classification and Grades. If the absences are more than seven in number full credit for the course is not given, unless such absences are excused by the committee and the work missed made up to the satisfaction of the instructor. Excuses for such absences must be presented to the committee on special blanks furnished for that purpose.

EXAMINATIONS AND GRADES.

Method of Grading. In practically all the courses offered in the University the student receives both a preliminary or mid-semester grade and a final grade. A grade of 100% is regarded as perfect and 70% as passing. Mid-semester grades are not entered on the registrar's record.

Final examinations are held during the last week in each semester.

Beginning with the year 1923-1924 no students shall be eligible for graduation who has not attained an average grade of 75 in all the courses done after that time; provided, however, that any student who has completed the required number of hours for graduation but whose average is not 75 may be allowed to offer two additional hours for and in satisfaction of each point below 75 but not below 73, and three additional hours for each point below 73 but not below 70.

Conditions and Failures. If the final grade of any student for any course is below sixty, it is recorded as a "failure," and the student must take the course again if he desires credit for it. If the final grade is sixty, or over, but below seventy, it is recorded as a "condition," and the student shall have the privilege of a second examination. A condition not removed within the following semester becomes a failure, unless special permission to postpone the examination is obtained from the Committee on Classification and Grades. If the final grade after a second examination is again below seventy it is recorded as a failure.

Reports to Parents. A report of each student's work is made at the close of each semester, either to the student himself or to his parent or guardian. A complete record is also kept in the registrar's office. The fee for making a copy of this record after the semester reports have been sent out is one dollar.

In case where a student's work is unsatisfactory as shown by the mid-semester test, a mid-semester report will also be made both to the parent or guardian and to the student.

SUSPENSIONS.

1. Any student who fails either to make a standing of seventy per cent in courses amounting to at least half of the total number of semester hours for which he is registered, or to make an average standing of at least sixty per cent in all of his courses for any semester is suspended from the University for the succeeding semes-

ter. If, however, the failure as above is due to the abandonment of any class, or to withdrawal from the University without permission, or to absence from examination without reasonable excuse, the suspension becomes indefinite.

Any student whose average standing in all studies as shown by the preliminary or mid-semester report is less than fifty per cent is suspended from the University for the remainder of the semester.

2. If a student suspended by the operation of the above rule reenters the University and again becomes subject to it, his suspension becomes indefinite.

For rules governing suspension for unexcused absences, see page 36.

WORK DONE OUT OF RESIDENCE.

The doing of regular residence courses **in absentia** is discouraged. In cases of courses begun at the University and not completed by reason of illness or otherwise, however, permission to complete the work **in absentia** under the direction of the regular University instructors may be granted by the Committee on Classification and Grades; but in such cases credit shall be given only upon report of a grade of not less than eighty per cent on final examination.

The foregoing statement does not apply to University Extension Courses.

DEGREES.

All University degrees are conferred by the State Board of Education upon recommendation of the University faculty. Degrees are granted only once in each year at the annual University commencement.

Candidates must be present in person to receive their degrees unless excused by the State Board of Education.

BACCALAUREATE DEGREES.

Credits Required.

The various baccalaureate degrees conferred by the University and the number of semester hours of work required for each degree are as follows:

Bachelor of Arts, (A.B.)
- Regular course ..... 128 Hrs.
- Combined course for A.B. and LL.B. degrees.... 124 Hrs.
  (96 hours in College of Arts and Sciences and first year course, 28 hours, in College of Law.)

Bachelor of Science, (B.S.)
- Combined course, preliminary to degree in medicine ..... 136 Hrs.
  (64 hours in College of Arts and Sciences, and two years' work, 68 to 72 hours, in School of Medicine.)
- Combined course, preliminary to degree in Engineering ..... 128 Hrs.

Bachelor of Laws, (LL.B.) ..... 150 Hrs.
(64 hours in the College of Arts and Sciences and 86 hours in the College of Law.)

Bachelor of Science in Mechanical Engineering, (B.S.M.E.) ..... 148 Hrs.

Bachelor of Science in Civil Engineering, (B.S.C.E.) ..... 148 Hrs.

Bachelor of Science in Electrical Engineering, (B.S.E.E.) ..... 148 Hrs.

Bachelor of Science in Engineering of Mines, (B.S.E.M.) ..... 148 Hrs.

Bachelor of Science in Chemical Engineering, (B.S.Chem.E.) ..... 148 Hrs.

Bachelor of Science in Agriculture, (B.S.Agr.) 144 Hrs.

Bachelor of Science in Home Economics, (B.S.H.E.) ..... 128 Hrs.

Bachelor of Science in Public Health..... 142 Hrs.

Bachelor of Science in Pharmacy..... 144 Hrs.

Bachelor of Music ..... 136 Hrs.

Requirements as to Residence.

Students who come to the University from other colleges or universities are advised to make the transfer not later than the beginning of the junior year and in no case will a student who matriculates in the University later than October 1 in any year be permitted to receive a degree at the next commencement.

In special cases students who desire to leave the University at the close of the junior year to enter another institution with the purpose of taking a combined course leading to two degrees or of preparing for graduate study may, upon application beforehand to the Committee of Classification and Grades, be permitted to do the work of the senior year, or a part thereof at such other institution and to receive the bachelor's degree from the University upon the presentation of the proper credits.

In no case, however, will a student be granted a bachelor's degree from this University who has not done either a total of ninety hours of his work or the last thirty hours of it in actual residence at the University.

GRADUATE DEGREES.

The University does not confer the degree, Doctor of Philosophy, but will certify to other institutions such graduate work as may be applicable toward this degree.

The University confers the following master's degrees: Master of Arts (A.M.), Master of Science (M.S.), Master of Science in Mechanical Engineering (M.S.M.E.), Master of Science in Civil Engineering (M.S.C.E.), Master of Science in Electrical Engineering (M.S.E.E.), Master of Science in Engineering of Mines (M.S.E.M.), and Master of Science in Agriculture (M.S.Agr.).

For further information regarding graduate work see page 61 of the University Catalogue.

GENERAL INFORMATION.

DISCIPLINE.

The rules and regulations which students are required to observe are few, simple and reasonable; civil and orderly conduct; punctuality and regularity in attendance upon all required exercises; reasonable diligence in the performance of the work prescribed, and abstinence from vices.

Students who do not comply with these requirements will not be allowed to remain in the University.

All matters of discipline are in charge of the President of the University in consultation with the dean of the college or head of the division of the University in which the student concerned is enrolled.

THE CONVOCATION.

The University Convocation is held every Wednesday morning at ten o'clock in Commencement Hall, under the direction of the Chaplain of the University. No classes or other University exercises are held at this hour, and opportunity is afforded for all members of the University, both instructors and students, to attend the meeting. The hour is occupied by lectures and addresses, discussion of student interests and problems, and the consideration of questions relating to the general University welfare.

In connection with the weekly convocation brief devotional exercises are held. The singing at these exercises is in charge of the Director of the School of Music. Attendance is entirely voluntary.

CHRISTIAN ASSOCIATIONS.

The University Young Men's Christian Association is a voluntary association of college men for the purpose of promoting and directing widely varied student activities for a religious motive. Through its national and international it joins in fellowship with students around the world. Membership is open to all men of the University.

The Young Women's Christian Association is an organization for a similar purpose. Membership is open to all women enrolled in the University.

An important feature of the work of each association is the maintenance of an employment bureau which enables a number of young men and women to find sufficient work to pay their expenses in college.

Each association employes a secretary, and students desiring information regarding employment, or other activities of the associations should address one or the other of these officers.

THE ALUMNI SECRETARY.

Under the joint auspices of the University and the University Alumni Association an alumni secretary is employed who gives his full time to the promotion of the interests of the Association and the furthering of closer contact and cooperation between the University and its graduates and former students. Mr. Frank Roy Yoke of the class of 1903 is the present secretary. His office is in the Library.

AMERICAN ASSOCIATION OF UNIVERSITY PROFESSORS.

The West Virginia University Branch of the American Association of University Professors now has a membership of more than fifty. The present officers are: Professor R. A. Armstrong, president, and Professor F. E. Clark, secretary.

HONOR SOCIETIES.

Phi Beta Kappa. The Alpha of West Virginia Chapter of the Phi Beta Kappa Society is established at the University. Stated meetings or public exercises of the Society are held twice annually: the anniversary meeting on December 5, and the annual meeting during commencement week. The honor of membership may be conferred upon candidates for the degree of Bachelor of Arts who have maintained a high scholarship rank during their college course; also upon members of the faculty and alumni of the University, and upon distinguished citizens of the state.

Sigma Xi Club. The national organization of the Society of the Sigma Xi is represented in the University by the Sigma Xi Club of West Virginia University. The purpose of the national society and of the local club is the encouragement of scientific research.

Tau Beta Pi. The West Virginia Alpha chapter of the national engineering honor association of Tau Beta Pi was established in the College of Engineering in 1922. Students who rank in scholarship among the upper one-eighth of their class are eligible to election in their junior year and all who rank among the upper one-fourth of the class are likewise eligible in their senior year. These together with alumni and honorary members constitute the chapter.

Alpha Zeta. The West Virginia chapter of Alpha Zeta, the national agricultural honor fraternity, was instituted in the College of Agriculture in 1921. Sophomores and upper classmen who maintain high standing in scholarship and rank among the upper two-fifths of their respctive classes are eligible to membership.

Phi Epsilon Omicron. The Lamda Chapter of Phi Epsilon Omicron, one of the national professional organizations in home economics, was established at the University in November, 1923. Its purpose is to promote the moral and intellectual development of its members; to help to develop leadership; and to advance home economics. Membership is open to juniors and seniors in home economics who rank in the upper two-fifths of the class in scholarship.

STUDENT ORGANIZATIONS.

There are in the University various societies and clubs, devoted chiefly to the educational, social and athletic interests of the students. Several Greek letter fraternities and sororities have established chapters at the University and most of these occupy their own chapter houses.

Some of the More important of these organizations are: The English Club, The Beowulf Gedryht, The Educational Club, The Philhellenic Club, The West Virginia University Scientific Society, The Engineering Society, The University Grange, The University Dramatic Club, The University Choir, and the Philharmonic Orchestra.

UNIVERSITY PUBLICATIONS.

The following publications are now issued regularly at the University:

1. The West Virginia University Bulletins, issued monthly during the College Year. The series includes the Catalogue of the University, the Announcements of the various separate colleges and schools and the quarterly Alumni Bulletins.

2. The various bulletins and circulars of the Agricultural Experiment Station.

3. The bulletins of the College of Engineering.

4. Circulars of the Agricultural Extension Division. These include the Farmers' Club Series, the Farm Women's Club Series, and the 4-H Suggestion Series.

5. The West Virginia Law Quarterly, the official publication of the West Virginia Bar Association, edited by the faculty of the College of Law.

6. The West Virginia Science Bulletin, issued annually by the West Virginia University Scientific Society.

STUDENT PUBLICATIONS.

The Athenaeum, a semi-weekly college newspaper, is published by the students, who elect the editorial staff.

The College Annual, The Monticola, is published by the junior class.

The West Virginia Agriculturist, an illustrated monthly magazine, is issued by the students of the College of Agriculture.

All student publications are under the supervision of a faculty committee on student publications.

STUDENT SOCIAL LIFE.

The social life of the students in the University is under the general supervision of the faculty Committee on Social Affairs. This committee has supervision of every social function given by the University or by any organization within it, including fraternities, sororities and other student societies. Such social functions as balls, dances, picnics, excursions and receptions are supervised by this committee. The committee approves all dance programs, supervises the issuance of invitations for functions of a general University nature and sees that all social affairs held in the University are properly conducted.

WOMEN'S STUDENT GOVERNMENT ASSOCIATION.

All women students of the University whose homes are not in Morgantown, whether they live in the Women's Hall, in sorority houses or in rooming houses in town, are members of the Student Government Association. The purpose of this association is to regulate all matters pertaining to the student life of its members, to further in every way the spirit of unity among the women of the University, to increase their sense of responsibility, and to be a medium for maintaining a high scholastic standard.

The officers of the association include a president, vice-president, secretary, and treasurer. Representatives from each class, and house-presidents, with the officers, constitute an executive board, which fixes all rules of the association and enforces penalties for their violation. The officers and members of the executive board are elected annually by the association. The board is responsible to the faculty advisory board of the association for all matters pertaining to the social life of the students. This advisory board consists of the dean of women and two other members of the faculty appointed by the President of the University.

In 1921 the association was admitted to active membership in

the Intercollegiate Association of Student Government for Women Students.

DEAN OF MEN.

The dean of men is the contact officer between the administration and the men students of the University. He exercises a friendly supervision over the moral, social, and intellectual life of undergraduates. He is responsible for the administration of the rules regarding absences. He is a member of the faculty committee on social affairs. The dean's office is in Martin Hall.

THE DEAN OF WOMEN.

All the interests of the women students of the University are in charge of a special executive officer of the University, the dean of women. She is a member not only of the advisory board of the Student Government Association but also of the faculty social committee. The dean's office is in the Library Building.

LIVING ACCOMMODATIONS FOR WOMEN.

All women in the University except those living at home are required to live in the dormitories, in sorority houses, or in rooming houses approved by the Dean of Women.

Preliminary application for rooms should be made to the Dean of Women. Changes in rooming places made after the beginning of the semester may be made only with her approval.

The Woman's Hall has rooms for 108 students and has a dining room which accommodates 300. The Annex has rooms for 40. Lists of approved rooming houses may be secured from the dean. Rooms may be engaged in advance either in the main dormitory or the annex, upon payment of a retaining fee of $10. This amount is later deducted from the first semester's rent. A student who, for any good reason, desires to relinquish a room thus engaged may have the fee refunded if she gives notice before August 15.

The cost of rooms in the woman's dormitories is as follows:

Woman's Hall

First and second floor front	$90.00 per year
First and second floor rear	85.00 per year
Third floor front	85.00 per year
Third floor rear	80.00 per year

Annex

Single room	80.00 per year
Double room	65.00 to $75.00 per year
Board in the dining hall	6.00 per week

BOARDING AND ROOMING PLACES.

The matter of furnishing information to new students regarding suitable boarding and rooming places is in charge of the Y. M. C. A. and Y. W. C. A. of the University. On their arrival in Morgantown new students should come directly to Woodburn Hall, where they will find complete lists of approved rooms and boarding places and also upperclassmen who will help them in finding lodgings and in matriculating. During the opening days of the semester, committees from the two Christian Associations meet new students at trains and are ready to render them every assistance possible.

Young men desiring information in advance of their arrival in Morgantown, may address the University Y. M. C. A., Morgantown, W. Va. Young women may address Miss Martha T. Fulton, Dean of Women.

AID FOR STUDENTS.

The Employment Bureau, organized by the University Christian Association, undertakes to assist earnest and worthy students who are dependent upon their own efforts for the expenses of their education, to obtain various forms of employment in Morgantown. Prospective students desiring such aid should write to the secretary of the Y. M. C. A., or of the Y. W. C. A., before entering the University, stating the kind of work desired and the nature of past experience in any occupation. The work consists largely in waiting on table, caring for rooms and lawns, clerking in stores, stenographic services, etc.

PRIZES.

The more important prizes offered in the University are:

The Bryan Prize in Political Science.

The Hon. William J. Bryan has given a sum of money, the annual income of which is to be offered as a prize to the student in the University who shall write the best essay on some subject in the science of government. The amount of the prize for the present is $21.00. The subject assigned for the year 1925-26 is, "A Suitable Short Ballot for West Virginia."

The Tax Commission Prize.

The members of the State Tax Commission of 1902, W. P. Hubbard, Henry G. Davis, John K. Thompson, L. J. Williams and J. H. Holt, gave the sum of $1,350, later increased by unawarded sums to $1,500, the income of which is to be used annually as a prize for the "best original work bearing on matters of taxation in West Virginia." The conditions of competition are determined by the Council of Administration. The amount of the prize at present is $90.00. The subject assigned for 1925-26 is, "Desirable Changes in the Methods of Securing Revenue for Incorporated Towns and Cities in West Virginia."

Chi Omega Sorority Prize.

The local chapter of the Chi Omega Sorority offers an annual prize of $25.00 to be awarded to the woman student who achieves the highest standing in Economics 1. The prize is offered to encourage interest in the study of economics among women students. To be eligible the student must have registered for at least fourteen hours of work for the semester.

Alpha Delta Pi Sorority Prize.

Alpha Delta Pi, a local sorority, offers an annual prize of ten ($10.00) dollars, to be awarded to the woman student who shows most ability in applying her knowledge of sociology to social service work. Success in some definite form of social service work, done under competent supervision, is the basis of award. The award of this prize is made under the supervision of the professor of sociology.

The James F. Brown Prize.

Mr. James F. Brown, an alumnus of the University, "with a desire to stimulate the young men of the State to fuller consideration of the 'inalienable rights' of mankind, and especially those guaranteed by the Constitution of the State and of the United States," has contributed to the University the sum of five thousand dollars to be invested and the income is to be "used as a prize for the best essay or paper each year on the subject of the individual liberties of the citizen as guaranteed by the constitution." The income may be given as a single prize, or it may be divided into a first and second prize. For the present the award will be made as a single prize, $300.00 in amount. Any senior or any graduate of any college of University, within one year after receiving any bachelor's degree, may compete for this prize, but no holder of any graduate degree may become a competitor. The subject assigned for 1925-26 is, "Freedom of the Press Under Our Constitutions."

The Cassell W. Mowrey Memorial Prize.

In memory of Cassell W. Mowrey, a former member, Brooke's Inn of Phi Delta Phi offers a prize of $20.00 in gold to be awarded annually to the member of the first year class of the College of Law who attains the highest scholastic standing for the year. Only candidates for the LL.B. degree are eligible for this prize.

Inter-Fraternity Scholastic Trophies.

Arleigh Lee Darby, Professor of Romance Languages, offers a silver cup known as the Inter-Fratenity Scholastic Trophy. It is awarded at the end of the year to the fraternity having the highest average scholarship standing for that year and remains in the possession of that fraternity during the following year. The cup becomes the permanent property of the fraternity that first wins it five times.

Aaron Arkin, formerly Professor of Pathology and Bacteriology, offers a silver cup to be called the "Inter-Sorority Scholastic Trophy." This prize will be awarded at the end of the academic year to the sorority having the highest average scholarship standing for the year. It will be in possession of that sorority for the following year. The cup will become the permanent property of the sorority that first wins it five times.

The conditions upon which the awards in the several contests are made may be learned upon application at the President's office, or to the members of the committee on prizes.

BUREAU OF RECOMMENDATION.

The Bureau of Recommendation, under the direction of the department of education, has for its aim:

1. To keep a record of the students or alumni of the University who wish to teach, to gather information as to their academic and professional qualifications and personal fitness for school work, and to recommend for vacancies those who seem most likely to prove themselves efficient.

2. To keep a similar record of alumni who wish to be transferred to other positions.

3. To assist boards of education and other school officials in securing teachers, and co-operate with teachers' agencies in placing graduates of the University.

Students desiring recommendation for positions as teachers should take at least twenty hours in education. Those desiring recommendation for a position in a normal school or as principal or superintendent of schools should take at least thirty hours in education.

No student is assured of a position. General letters of recommendation are not given to students. Information obtained from professors and others is regarded as confidential. No charge is made for any services rendered. Blanks for registration will be furnished on application. The following is the committee on recommendation: President Trotter, Professors Hill and Cavins, Assistant Professors Pollock and Stalnaker, and Professor Deahl, secretary.

HIGH SCHOOL AND SUPERVISOR'S CERTIFICATES.

Graduates from the University with not fewer than twenty semester hours in education are recommended to the State Superintendent of Schools for high school and for supervisor's certificates according to the following regulations:

1. No courses in education will be counted as part of the twenty hours unless approved by the Department of Education.

2. Persons who have received advanced standing in education must do at least ten semester hours in regular college courses. These courses must not repeat those taken in another school and they must be advanced work.

3. Only a limited number of hours done in the summer school may be counted toward certification.

4. Candidates for certification must demonstrate their fitness for recommendation by successful teaching in Education 44 or 48.

5. For the supervisor's certificate not fewer than five hours must be taken in administration and supervision.

SCOPE OF THE ENTRANCE REQUIREMENTS.

The following description indicates the extent of preparation expected in each of the several subjects offered for entrance credit for admission to the various colleges of the University.

ENGLISH.

Grammar and Elementary English. No student will receive full entrance credit in English whose work shows marked deficiency in spelling, punctuation, grammar, sentence structure, or paragraphing. The student should be prepared to state intelligently the essential principles of English grammar and to explain the syntactical structure of any sentence encountered in his reading. An elementary text-book or grammar should have been completed before the student enters upon his high school course. For more advanced study of the subject and for practical review, the material presented in the ordinary high school text-books on rhetoric may be utilized. The subject should be constantly reviewed in connection with the work in composition during the four years in the high school course.

Rhetoric and Composition. Systematic practice in theme writing and other forms of oral and written composition with instruction in the principles of rhetoric and the forms of discourse must form an important part of each unit of English. At least one theme weekly should be required throughout the course. Students who are not able to express themselves in clear, correct, and idiomatic English will not be given full credit. The subjects upon which the student writes should not be drawn exclusively from literature. A considerable portion of them should be so distributed as to give proper training in the various forms of discourse.

Literature. In addition to the reading and study of English classics as outlined below, the student throughout his high school course should have opportunity to become familiar with the best magazines and newspapers and with the best current fiction and poetry.

The four units in English should include the following:

(a) One unit. English Classics and English Composition. The study of at least five English classics selected from the list below. The simplest narrative classics, both prose and poetry, should be selected. The aim of the work should be to stimulate interest in good literature and to enable the student to form vivid mental pictures and to understand fully the thought expressed. The aim of the

composition work should be to secure facility and accuracy. The work should include letter writing, short themes in narration and description, and study of paragraphing and sentence structure.*

(b) One unit. English Classics and English Composition, Study of several other English classics. The work should include more complex forms of fiction and narrative poetry, simpler essays, and at least one of Shakespeare's plays.

(c) One unit. English Classics and English Composition. Reading and study of narrative and lyric poetry, of more difficult essays, and of several of Shakespeare's plays. In the work for both the second and third units the aim should be to make a study of form, structure, style, and purpose of the selection; the author's life; relation of the selection to its age and to other works of similar type. For both units the work in composition should include themes of moderate length in all forms of discourse; study of unity, coherence, and emphasis in sentences and paragraphs; kinds of sentences; diction; figures of speech.

(d) One unit. Advanced study of Classics; Rhetoric. A thorough and intensive study of the form, structure, and style, of at least one typical example of the novel, the drama, the lyric or epic poem, and the essay. A study of the principles of rhetoric employing some good advancved high school text-book, with frequent and systematic theme writing, must form a part of this unit.

The following list of classics is suggested:

I. Longfellow's Evangeline and Courtship of Miles Standish; Whittier's Snowbound; Lowell's Vision of Sir Launfal; Coleridge's Rime of the Ancient Mariner; Macaulay's Lays of Ancient Rome; Goldsmith's Deserted Village; Irving's Sketch Book; Hawthorne's Twice Told Tales; Franklin's Autobiography; Aldrich's Story of a Bad Boy; Warner's Being a Boy, A Hunting of the Deer, etc.; Burrough's Sharp Eyes, Birds and Bees, etc.; Dickens' Christmas Carol; Stevenson's Treasure Island.

II. Stories from the Bible; Scott's Lady of the Lake, Marmion, Ivanhoe, Quentin Durward; George Eliot's Silas Marner; Goldsmith's Vicar of Wakefield; Mrs. Gaskell's Cranford; Cooper's Last of the Mohicans, The Spy, The Pilot; Blackmore's Lorna Doone; Dickens' Tale of Two Cities, David Copperfield; Arnold's Sohrab and Rustum; Byron's Mazeppa and the Prisoner of Chillon; Shakespeare's Merchant of Venice, As You Like It, Julius Ceasar, Twelfth Night; Addison's De Coverly Papers; Thoreau's Succession of Forest Trees;

*Reading of good literature outside of class and memorizing of notable passages in prose and verse should be required, but outside reading accompanied by written reports or reviews made according to a stereotyped model, in place of a thorough study of assigned lessons, class instruction and discusson, will not be comidered as satisfactorily fulfilling the requirement of any unit.

Stevenson's An Inland Voyage and Travels with a Donkey; Kipling's Captains Courageous.

III. Page's Red Rock; Churchill's Mr. Crewe's Career; Thompson's Alice of Old Vincennes; Norris' The Pit; Jackson's Ramona; Smith's Caleb West, Master Diver; Johnston's To Have and to Hold; Van Dyke's The Blue Flower and Other Stories; Mitchell's Hugh Wynne—Free Quaker.

IV. Novels: Thackeray's Henry Esmond; George Eliot's Silas Marner or Romola; Jane Austin's Pride and Prejudice; Hawthorne's The House of the Seven Gables. Dramas: Shakespeare's Macbeth, Lear, or Henry V. Poems: Tennyson's Idylls of the King; Milton's Shorter Poems; Brownings Selected Poems; Palgrave's Golden Treasury. Essays: Lamb's Essays of Elia; Emerson's Essays; Ruskin's Sesame and Lilies; Carlyle's Heroes and Hero Worship; Essay on Burns; Macaulay's Essay on Addison and Life of Johnson; Washington's Farewell Address; Webster's Bunker Hill Oration; Lincoln's Gettysburg Speech, etc.

LATIN.

(a) One unit. Such knowledge of inflection and syntax as is given in any good preparatory Latin Book, together with the ability to read easy selections from Caesar.

(b) One unit. Four books from Caesar's Gallic War, or its equivalent in Latin of equal difficulty. The ability to write simple Latin based on the text.

(c) One unit. Six orations of Cicero. The ability to write simple Latin based on the text. The simpler historical references and the fundamental facts of Latin syntax.

(d) One unit. Six books of Virgil, with history and mythology. Scansion of hexameter verse. Either (c) or (d) may be offered for the third unit, but one year of composition must be included.

GREEK.

(a) One unit. Introductory lessons, elements of grammar; easy translations form the Anabasis: translation into Greek of easy continuous prose based upon the Anabasis.

(b) One unit. Xenophon, the first four books of the Anabasis.

(c) One unit. Homer, the first three books of the Iliad (omitting II-492 to end) and the Homeric constructions, forms and prosody; constant practice in sight and prose composition.

GERMAN.

(a) One unit. A thorough knowledge of elementary syntax; constant drill in pronunciation, oral translation, and composition; translation of seventy-five to one hundred pages; advanced syntax; composition throughout the year.

(b) One unit. Modern prose and familiar poems, two hundred pages; advanced syntax; intermediate composition throughout the year.

(c) One unit. Advanced prose, four hundred pages; advanced composition throughout the year.

FRENCH.

(a) One unit. (1) The essential principles of French etymology and syntax, and especially, a thorough knowledge of the pronoun and of the regular and irregular verb; (2) ability to write in French sentences of moderate difficulty; (3) the reading of from one hundred and fifty to two hundred pages of modern French prose; (4) ability to pronounce the language correctly and with some fluency.

(b) One unit. (1) Twenty pages of advanced prose composition; (2) at least three hundred pages of modern French prose; (3) at least three hundred pages of modern French plays.

HISTORY.

From one to three units may be offered, selected from the following:

(a) Ancient History to 800 A. D.—one unit.

(b) Mediaeval and Modern European History—one-half to one unit. The amount of credit will depend upon the time given to the subject.

(c) English History—one-half to one unit. The amount of credit will depend upon the time given.

(d) American History, or American History and Civics—one unit.

The student should be familiar with the important events and should have a clear knowledge of the general development of the period of history which he offers for credit.

A whole year that covers the whole field of general history with

a good text-book and with notes on collateral reading and preparation of maps will be accepted as one unit, although it is believed that better results will be obtained by spending a whole year on ancient history and another year on the mediaeval and modern period.

American history and civics should be preceded by English history, and should not be given before the third year in the high school course, in case three years are given to history. Ancient history should be followed by English history in case mediaeval and modern history are not given.

The study of civics must not precede the study of American history; and, if studied as a separate branch following the course in American history, some advanced text such as Forman's Advanced Civics should be used. An outline knowledge of elementary civics, such as presented in Forman's First Lessons in Civics, or in Peterman's Civics, is presupposed.

MATHEMATICS.

(a) Algebra through quadratics—one unit. The four fundamental operations for rational algebraic expressions; factoring, highest common factor, lowest common multiple, complex fractions, solution of equations of the first degree, radicals including the extraction of the square root of polynominals and numbers, fractional and negative exponents, quadratic equations, and equations containing one or more quadratic equations, and problems involving the use of such equations.

(b) Plane geometry—one unit. The completion of any standard text with original exercises and problems.

(c) Algebra—one-half unit. Review of essentials followed by ratio and proportion, the binominal theorem for positive and integral exponents, arithmetical and geometrical progressions.

(d) Solid geometry—one-half unit. Properties of straight lines and planes, dihedral and polyhedral angles, projections, polyhedrons, including prisms, pyramids, and the regular solids, cylinders, cones, and spheres, spherical triangles, measurements of surfaces and solids.

(e) Plane trigonometry—one-half unit. Definitions and relations of the six trigonometrical functions as ratios, proofs of important formulae, theory of logarithms and use of tables, solutions of right and oblique plane triangles.

SCIENCE.

(a) Physics—one unit. Credit will be given for one year's work with any standard text-book, upon the presentation of a satisfactory note-book, covering at least thirty-two experiments. The note book should contain the student's own record of his laboratory experiments and a signed statement from his teacher that the book is the original record of the student's observations. Students deficient in laboratory work may make up this deficiency in the University.

(b) Chemistry—one unit. Credit will be allowed for the completion in a satisfactory manner of any standard elementary text in inorganic chemistry, accompanied by individual laboratory work. A full year should be given to the work.

(c) Botany—one unit.

(d) Zoology—one unit.

Work in either botany or zoology, to be credited, must have been accompanied by individual laboratory work. The exact extent of the work which should be done cannot be stated here, but, for the maximum credit, it should be as much as a competent teacher, trained in laboratory methods can accomplish in from one to one and one-half years. In estimating the time employed, two hours of laboratory work will be counted as the equivalent of one recitation period. It will be necessary for applicants to present their laboratory notes and drawings.

In botany the class should cover the ground of Coulter's "A Text Book in Botany," or Bergen's "Foundation of Botany," or their equivalent.

In zoology the class work should cover about what is represented in Kellogg's "Elementary Zoology" (Henry Holt), or in Parker and Haskell's Zoology, one-volume edition (Macmillan & Co.). The amount of laboratory work that should be done is somewhat less than is outlined in Sheffer's manual (Blakiston).

(e) Biology. A half year of botany and a half year of zoology each accompanied by individual laboratory work.

(f) Physical Geography—one-half unit.

(g) Physiology—one-half unit.

Credit for one-half unit each in physical geography and physiology will be allowed—as elective only—if taught in a scientific manner in an accredited or recognized secondary school. The use of a standard text should be supplemented by proper illustrative methods and proper observation. One-half year must be given to each subject.

A LIST OF CLASSIFIED HIGH SCHOOLS SCHOOL YEAR 1924-25

High Schools of the First Class.

Adamston, Clarksburg, Coal district, Harrison county.
Alderson (conditioned), Alderson independent district, Monroe county.
Ansted (conditioned), Mountain Cove district, Fayette county.
Aurora, Union district, Preston county.

Barrackville, Fairmont district, Marion county.
Beckley, Town district, Raleigh county.
Belington, Belington independent district, Barbour county.
Benwood, Union district, Marshall county.
Berkeley Springs, Bath district, Morgan county.
Berwind, Big Creek district, McDowell county.
Blacksville (conditioned), Clay district, Monongalia county.
Bluefield, Beaver Pond district, Mercer county.
Bramwell, Rock district, Mercer county.
Bridgeport, Bridgeport-Simpson joint high school district, Harrison county.
Bristol, Ten Mile district, Harrison county.
Bruceton Mills, Grant district, Preston county.
Buckhannon, Buckhannon independent district, Upshur county.
Burch, Lee district, Mingo county.
Burnsville, Salt Lick district, Braxton county.

Cairo, Grant district, Ritchie county.
Cameron, Cameron district, Marshall county.
Charleston, Charleston independent district, Kanawha county.
Charleston (negro), Garnett High School, Charleston independent district, Kanawha county.
Charles Town, Charles Town district, Jefferson county.
Chattaroy (conditioned), Lee district, Mingo county.
Chester, Chester independent district, Hancock county.
Clarksburg, Washington-Irving High School, Clarksburg independent district, Harrison county.
Clarksburg (negro), Kelly Miller High School, Clarksburg independent district, Harrison county.
Clay, Clay County High School.
Clendenin, Big Sandy district, Kanawha county.
Cowen, Glade district, Webster county.

Davis, Davis district, Tucker county.
Dunbar, Union district, Kanawha county.

East Bank, Cabin Creek district, Kanawha county.
Elizabeth, Elizabeth joint high school district, Wirt county.
Elkhorn (negro), Elkhorn district, McDowell county.
Elkins, Elkins independent district, Randolph county.
Elk View (conditioned), Elk district, Kanawha county.

Fairground, Clarksburg (conditioned), Clark district, Harrison county.
Fairmont, Fairmont independent district, Marion county.
Fairmont, East Side High School, Union independent district, Marion county.
Fairview, Paw Paw district, Marion county.
Farmington, Lincoln district, Marion county.

Fayetteville, Fayetteville district, Fayette county.
Follansbee, Cross Creek district, Brooke county.
Frankford, Frankford district, Greenbrier county.

Gap Mills, Sweet Springs district, Monroe county.
Gary, Adkin district, McDowell county.
Gassaway, Otter district, Braxton county.
Grafton, Grafton independent district, Taylor county.
Grantsville (conditioned), Calhoun County High School.
Greenbank, Greenbank district, Pocahontas county.
Greenville, Springfield district, Monroe county.
Griffithsville, Duval district, Lincoln county.

Hamlin, Carroll district, Lincoln county.
Harpers Ferry, Harpers Ferry district, Jefferson county.
Harrisville, Harrisville independent district, Ritchie county.
Hedgesville, Hedgesville district, Berkeley county.
Hillsboro, Little Levels district, Pocahontas county.
Hinton, Hinton independent district, Summers county.
Hundred, Church district, Wetzel county.
Huntington, Huntington independent district, Cabell county.
Huntington (negro), Douglass High School, Huntington independent district, Cabell county.
Hurricane, Curry district, Putnam county.

Iaeger, Sandy River district, McDowell county.

Jacksonburg, Grant district, Wetzel county.
Jane Lew, Jane Lew independent district, Lewis county.

Kenova, Ceredo-Kenova independent district, Wayne county.
Keyser, Keyser independent district, Mineral county.
Kimball (negro), Browns Creek district, McDowell county.
Kingwood, Kingwood district, Preston county.

Lewisburg (conditioned), Lewisburg independent district, Greenbrier county.
Littleton, Clay district, Wetzel county.
Logan, Logan district, Logan county.
Lost Creek, Grant district, Harrison county.
Lumberport, Eagle district, Harrison county.

Malden, Malden district, Kanawha county.
Man, Triadelphia district, Logan county.
Mannington, Mannington district, Marion county.
Marlinton, Edray district, Pocahontas county.
Martisburg, Martinsburg independent district, Berkeley county.
Masontown, Valley district, Preston county.
Matewan, Magnolia district, Mingo county.
Matoaka, Rock district, Mercer county.
Middlebourne, Tyler County High School.
Mill Creek (conditioned second year), Huttonsville district, Randolph county.
Milton, Grant district, Cabell county.
Montgomery, Kanawha district, Fayette county.
Montgomery (negro), Kanawha district, Fayette county.
Moorefield (conditioned), Moorefield district, Hardy county.
Morgantown, Morgantown independent district, Monongalia county.

Moundsville, Moundsville independent district, Marshall county.
Mount Hope, Fayetteville district, Fayette county.
Mullens, Slab Fork district, Wyoming county.

Newburg, Lyon district, Preston county.
New Cumberland, New Cumberland independent district, Hancock county.
Newell, Grant district, Hancock county.
New Martinsville, Magnolia district, Wetzel county.
Nitro (conditioned), Nitro independent district, Kanawha county.
Northfork, Northfork district, McDowell county.
Northfork (negro) (conditioned), Northfork district, McDowell county.

Oak Hill, Fayetteville district, Fayette county.
Oak Park, Wheeling, Triadelphia district, Ohio county.
Oxley (conditioned), Shady Springs district, Raleigh county.

Parkersburg, Parkersburg independent district, Wood county.
Parkersburg (negro), Sumner High School, Parkersburg independent district, Wood county.
Parsons, Black Fork district, Tucker county.
Paw Paw, Cacapon district, Morgan county.
Pennsboro, Clay district, Ritchie county.
Petersburg (conditioned), Petersburg independent district, Grant county.
Philippi, Philippi independent district, Barbour county.
Piedmont, Piedmont district, Mineral county.
Pine Grove, Grant district, Wetzel county.
Pineville (conditioned), Center district, Wyoming county.
Point Pleasant, Point Pleasant independent district, Mason county.
Princeton, East River district, Mercer county.
Pullman, Union district, Ritchie county.

Rainelle (conditioned), Meadow Bluff district, Greenbrier county.
Ravenswood, Ravenswood independent district, Jackson county.
Reader, Green district, Wetzel county.
Renick, Falling Spring district, Greenbrier county.
Richwood, Richwood independent district, Nicholas county.
Ripley, Ripley independent district, Jackson county.
Rivesville, Paw Paw district, Marion county.
Romney, Romney district, Hampshire county.
Ronceverte, Fort Spring district, Greenbrier county.
Rowlesburg, Reno district, Preston county.

Salem, Salem independent district, Harrison county.
Sand Fork, Glenville district, Gilmer county.
Sardis, Sardis district, Harrison county.
Sherrard, Union district, Marshall county.
Shinnston, Clay district, Harrison county.
Sistersville, Sistersville independent district, Tyler county.
Smithfield, Grant district, Wetzel county.
Spanishburg (conditioned second year), Rock district, Mercer county.
Spencer, Spencer independent district, Roane county.
Stotesbury, Slab Fork district, Raleigh county.
Summersville, Nicholas County High School.
Sutton, Sutton independent district, Braxton county.

St. Albans, St. Albans independent district, Kanawha county.
St. Marys, Washington district, Pleasants county.
Switchback, Elkhorn district, McDowell county.

Terra Alta, Portland district, Preston district.
Thomas, Fairfax district, Tucker county.
Tunnelton, Kingwood district, Preston county.

Union, Union district, Monroe county.

Wadestown, Battelle district, Monongalia county.
Walkersville, Collins Settlement district, Lewis county.
Wallace, Sardis district, Harrison county.
Warwood, Wheeling, Richland district, Ohio county.
Webster Springs, Fork Lick district, Webster county.
Weirton, Butler district, Hancock county.
Welch, Browns Creek district, McDowell county.
Wellsburg, Wellsburg independent district, Brooke county.
West Liberty, Liberty district, Ohio county,
West Milford, Union district, Harrison county.
West Monongah, Lincoln district, Marion county.
Weston, Weston independent district, Lewis county.
West Union, West Union independent district, Doddridge county.
Wheeling, Wheeling independent district, Ohio county.
Wheeling (negro), Lincoln High School, Wheeling independent district, Ohio county.
White Sulphur Springs, White Sulphur district, Greenbrier county.
Williamsburg, Williamsburg district, Greenbrier county.
Williamson, Williamson independent district, Mingo county.
Williamstown, Williams district, Wood county.

High Schools of the Second Class.

Albright, Portland district, Preston county.
Athens, Plymouth district, Mercer county.

Bancroft, Poca district, Putnam county.
Bayard, Union district, Grant county.
Beckley (negro), Town district, Raleigh county.
Bethany, Buffalo district, Brooke county.
Beverly, Beverly district, Randolph county.
Bramwell (negro), Rock district, Mercer county.
Buckhannon (negro), Buckhannon independent district, Upshur county.
Bunker Hill, Mill Creek district, Berkeley county.
Burchfield, Grant district, Wetzel county.

Danville, Scott district, Boone county.
Dunleith, Ceredo district, Wayne county.

Eccles, Trap Hill district, Raleigh county.
Elk Garden, Elk district, Mineral county.

Fairmont (negro), Dunbar High School, Fairmont independent district, Marion county.
Fellowsville, Reno district, Preston county.
Flatwoods, Flatwoods independent district, Braxton county.
Flemington, Flemington district, Taylor county.
Franklin, Franklin district, Pendleton county.

Gary (negro), Adkin district, McDowell county.
Gilbert, Stafford district, Mingo county.
Great Cacapon, Cacapon district, Morgan county.

Herndon, Barkers Ridge district, Wyoming county.
Hinton (negro), Hinton independent district, Summers county.

Kermit, Warfield district, Mingo county.

Macdonald (negro), Fayetteville district, Fayette county.
Mason, Mason independent district, Mason county.

New Haven, Graham district, Mason county.

Oceana, Oceana district, Wyoming county.

Peterstown, Red Sulphur district, Monroe county.

Shepherdstown, Shepherdstown district, Jefferson county.
Simpson, Court House district, Taylor county.
Smoot, Meadow Bluff district, Greenbrier county.

Tipple, Slab Fork district, Wyoming county.

Walton, Walton district, Roane county.
Wayne, Wayne County High School.
Winding Gulf, Slab Fork district, Raleigh county.
Wyatt, Eagle district, Harrison county.

High Schools of the Third Class.

Bluefield (negro), Beaver Pond district, Mercer county.

Daybrook, Clay district, Monongalia county.

Excelsior (negro), Big Creek district, McDowell county.

Friendly, Union district, Tyler county.

Harman, Dry Fork district, Randolph county.

Leetown, Middleway district, Jefferson county.
Lenore, Hardee district, Mingo county.
Lester, Trap Hill district, Raleigh county.

Morgantown (negro), Morgantown independent district, Monongalia county.

Sandyville, Ravenswood district, Jackson county.

Wardensville, Wardensville district, Hardy county.

Graduate Courses and Degrees

The Committee on Graduate Work.

MADISON STATHERS, PH.D., CHAIRMAN, *Professor of Romance Languages*

NAHUM JAMES GIDDINGS, PH.D., *Professor of Plant Pathology*

ALEXANDER HARDIE FORMAN, M.M.E., PH.D., *Professor of Electrical Engineering*

LAWRENCE BENJAMIN HILL, PH.D., SECRETARY, *Professor of Education*

THOMAS LUTHER HARRIS, PH.D., *Professor of Sociology*

Purpose of Graduate Work.

Graduate study and teaching at West Virginia University is the most advanced work in education undertaken by the State. Its chief aim is the development of independent investigation and the stimulation or promotion of the spirit of research.

GRADUATE DEGREES.

The University does not confer the degree, Doctor of Philosophy, but will certify to other institutions such graduate work as may be applicable toward this degree.

The University confers the following master's degrees: Master of Arts (A.M.), Master of Science (M.S.), Master of Science in Mechanical Engineering (M.S.M.E.), Master of Science in Civil Engineering (M.S.C.E.), Master of Science in Electrical Engineering (M.S.E.E.), Master of Science in Engineering of Mines (M.S.E.M.), Master of Science in Chemical Engineering (M.S.Chem.E.), and Master of Science in Agriculture (M.S.Agr.). A Master's degree is conferred upon the following conditions:

Candidacy.

1. **Qualifications.** A candidate for a master's degree must hold a bachelor's degree from West Virginia University or from another institution in which the requirements are substantially equivalent.

Those who wish to become candidates but lack undergraduate preparation will be admitted to graduate study, but must at once make up their deficiencies by taking the necessary undergraduate courses. On completion of such undergraduate courses they become eligible to candidacy.

Those who have received their bachelor's degree and wish to broaden their education without reference to a higher degree, will be admitted to graduate study without restriction as to courses.

Seniors in the colleges of West Virginia University who have completed the work for the bachelor's degree but who have not yet received the degree may have work credited toward the master's degree at the discretion of the Committee on Graduate Work.

2. **Application for Admission.** Students who desire to register for graduate courses leading to a master's degree should submit their applications for admission to candidacy for the degree to the Committee on Graduate Work, either in person or by letter some weeks prior to the opening of the semester in which they desire to register. Blank forms can be obtained on application. The application must be in the hands of the Committee at the time when the student presents himself for registration in the courses which he desires to take for graduate credit and not later than October 1 in the college year in which he desires to have the degree conferred.

In his application the student must announce his choice of a major subject and must submit a general outline of his proposed course of study. The major subject chosen must be either the same as the undergraduate major or one in which the candidate has an equivalent undergraduate preparation. However if he is defiicient in the major subject chosen he may be admitted as a graduate student and may complete undergraduate deficiencies in that subject.

No student will be admitted to graduate study until properly certified credentials from his college or university are filed with the registrar and approved by the Graduate Committee.

Class Officer.

If the student is accepted as a candidate for the master's degree the Committee on Graduate Work will appoint a class officer to have general direction of the candidate's work in his major subject and in the related subjects. The class officer shall arrange a specific course of study to be approved by the Committee on Graduate Work and shall preside at the final examination in which he shall call to his aid as special examiners representatives from all departments in which the candidate has had work.

Not later than February 20 in each year the class officer of each candidate for an advanced degree at the next following commencement must make a final recommendation to the Committee on Graduate Work containing a detailed statement of the approved courses

with subject, number, hours of credit and grade in each course already completed and a schedule of work for the remainder of the year. No recommendation for advanced degrees will be considered by the Committee after that date.

Requirements for the Degree.

1. **Term of Residence.** Time and facilities are recognized as two important essentials for bona fide graduate work. A candidate must pursue graduate courses for at least thirty-six weeks after the completion of the work for his undergraduate degree. Graduate credit is not given for work done **in absentia,** except in case of a thesis requiring research which can be conducted to advantage elsewhere.

2. **Course of Study.** The candidate must do thirty-two hours of graduate work, which at the discretion of the department in which he has chosen his major subject may or may not include a thesis. At least ten hours, exclusive of thesis, shall be in the candidate's major subject; and any remaining hours shall be in subjects related thereto. Courses primarily designated for graduate students and distinctly senior courses open to graduates, are indicated in the catalogue, but other advanced courses and special research courses not listed in the catalogue may be credited with the approval of the Committee on Graduate Work. In rare instances advanced undergraduate courses, not regularly open to graduates, may be approved for graduate work with reduced credit; but elementary courses are never credited.

The rule of the Committee is to approve no course for graduate credit unless the catalogue specifically states that it is intended for graduate students.

For courses submitted for graduate credit the passing grade is eighty percent and no grade reported below that figure may be changed by a second examination.

Courses given during the college year will not be accepted for graduate credit in the Summer School unless they are given such credit in the annual catalogue.

No work done before the completion of the work required for the bachelor's degree will be credited toward the master's degree unless the work and courses have been regularly approved by the Committee.

The partial or complete course of study must be presented to the Committee on Graduate Work for its approval within two weeks after the acceptance of the student's application.

Graduate courses completed before the filing of the schedule of

graduate studies will ordinarily not be counted toward the graduate degree.

NOTE—Since the principal aim of graduate study is scholarly development, the acquisition of knowledge necessary to do independent work, and the promotion of the spirit of research, each candidate for a degree is expected to have a wide knowledge of his subject and of related fields of work and to pursue a course of related reading and study in addition to his University work.

3. **Thesis.** The thesis shall show acceptable investigation in the major subject. It shall be prepared under the direction of the department in which the student has chosen his major and shall be submitted for approval to the class officer at least four weeks previous to the commencement day at which the degree is expected. The thesis shall be presented in such form as may be prescribed by the Committee on Graduate Work. If the thesis is approved, two typewritten or printed bound copies shall be deposited in the University Library at least one week before the degree is conferred. The usual credit for a thesis is from three to seven hours.

4. **Final Examination.** The final examination of the candidate shall be oral and shall cover the major and related courses and thesis, or such part thereof as the examiners may deem desirable. This examination shall be open to the public and shall be held at least three weeks before the commencement day on which the degree is expected. The Committee on Graduate Work shall delegate one of its members to attend the examination.

The class officer shall report his opinion of the thesis and the result of the examination of the candidate to the Committee on Graduate Work at least ten days before commencement.

Professional Degrees in Engineering.

The University confers the following professional degrees: Civil Engineer (C.E.), Mechanical Engineer (M.E.), Electrical Engineer (E.E.), and Engineer of Mines (E.M.), upon graduates of the College of Engineering of the West Virginia University on the basis of practical experience and study in absentia, the presentation of a thesis and an oral final examination.

To be eligible a candidate for a professional degree must have been in active practice of his profession for at least five years since receiving his first degree and must have been in responsible charge of important work for at least two years, and must be qualified to design as well as direct engineering work.

Application for registration as a candidate for a degree should be made not later than the first day of October in the year in which the degree is expected. Detailed regulations and registration blanks may be obtained from the Dean of the College of Engineering.

COURSES OPEN TO GRADUATE STUDENTS.

COLLEGE OF ARTS AND SCIENCES.

BOTANY.

Course Open to Advanced Undergraduates.

111. Morphology and Phylogeny. (4 Hrs.).

First semester; lectures T., Th., 9:00; laboratory, M., F., 2:00. Associate Professor Spangler. 313 O. H.

112. Morphology and Phylogeny. (4 Hrs.). A continuation of Course 111.

Second semester; lecture and laboratory periods as in Course 111. Professor Spangler, 313 O. H.

114. Microtechnique and Plant Histology. (2 Hrs.).

Second semester; W., 2:00 and S. 8:00. Professor Strausbaugh and Associate Professor Spangler, 307 O. H.

122. Advanced Plant Physiology. (5 Hrs.). Three lecture periods and two three-hour laboratory periods each week.

Second semester; M., W., F., 11:00; M., W., 2:00. Mr. Rhine, 313 O. H.

132. Forest Ecology. (4 Hrs.). Prerequisite: Botany 21 or Botany 31. Laboratory work mainly field study.

Second semester; T., Th., 9:00; laboratory hours to be ararnged. Professor Strausbaugh, 313 O. H.

134. Experimental Ecology. (4 Hrs.).

Second semester; T., Th., 10:00; T., Th., 2:00. Professor Strausbaugh, 313 O. H.

151. History of Botany. (2 Hrs.).

First semester; M., F., 10.00. Professor Strausbaugh, 313 O. H.

153. Botany Seminar. (1 Hr.).

First semester; M., 4:00. Professor Strausbaugh and staff, 313 O. H.

154. Botany Seminar. (1 Hr.).

Second semester; M., 4:00. Professor Strausbaugh and staff. 313 O. H.

Courses Open to Graduates Only.

165. Morphological Studies. (4 Hrs.).
First semester; hours to be arranged. Professor STRAUSBAUGH and Associate Professor SPANGLER. 309 O. H.

166. Morphological Studies. (4 Hrs.).
Second semester; hours to be arranged. Professor STRAUSBAUGH and Associate Professor SPANGLER, 309 O. H.

171. Problems in Plant Pathology. (1-5 Hrs.).
First semester; hours to be arranged. Professor STRAUSBAUGH and Mr. RHINE, 307 O. H.

172. Problems in Plant Pathology. (1-5 Hrs.).
Second semester; hours to be arranged. Professor STRAUSBAUGH and Mr. RHINE, 307 O. H.

173. Microchemistry of Plant Tissues. (4 Hrs.).
First semester; hours to be arranged. Professor STRAUSBAUGH and Mr. RHINE, 307 O. H.

181. Problems in Plant Ecology. (4 Hrs.).
First semester; hours to be arranged. Professor STRAUSBAUGH, 313 O. H.

182. Problems in Plant Ecology. (4 Hrs.).
Second semester; hours to be arranged. Professor STRAUSBAUGH, 313 O. H.

191. Research. (1-5 Hrs.).
First semester; hours to be arranged. Botany staff, 307 O. H.

192. Research. (1-5 Hrs.)
Second semester; hours to be arranged. Botany staff, 307 O. H.

CHEMISTRY.

Courses Open Also to Advanced Undergraduates.

107. Quantitative Analysis. (2 to 4 Hrs.) Prerequisites: course 6 Physics 1, 2, 3, and 4, Mathematics 26 and 26. Four three-hour laboratory periods weekly.
First semester; M., T., Th., F., 2:00. Professor JACOBSON, 35 S.

108. Quantitative Analysis. (2 to 5 Hrs.) Prerequisite: course 107. Five three-hour laboratory periods weekly.
Second semester; 2:00. Professor JACOBSON, 35 S.

111. Synthetic Inorganic Chemistry. (3 Hrs.) Prerequisite: course 7. One lecture and two three-hour laboratory periods. (11).

First semester; hours to be arranged. Professor MORRIS, 35 S.

113. Quantitative Analysis. (3 Hrs.) Prerequisites: courses 7 and 20. One lecture and two three-hour laboratory periods weekly. (3).

Second semester; hours to be arranged. Professor MORRIS, 35 S.

114. Organic Quantitative Analysis. (2 Hrs.) Prerequisite: course 33. Two three-hour laboratory periods weekly. (14).

Second semester; M., F., 2-5. Professor JACOBSON, 35 S.

116. Organic Quantitative Analysis. (2 Hrs.) Prerequisite or parallel course: course 20. Two three-hour laboratory periods weekly. (23).

Second semester. Associate Professor SMITHEY and Mr. GARLAND, 31 S.

122. Food Analysis. (3 Hrs.) Primarily for agricultural and home economics students. One lecture and two three-hour laboratory periods weekly.

Second semester; hours to be arranged.

133. Organic Chemistry. (5 Hrs.) This course may be counted as graduate work for students in other colleges who have done a proportionate amount of work in other branches of chemistry. Prerequisite: course 7; for mining engineering students, course 6. Three lectures and two three-hour laboratory periods weekly. (9).

First semester; M., W., F., 11:00; T., Th., 2:00; Professor CLARK, Associate Professor SMITHEY, and Mr. GARLAND, 16 M. H. and 33 S.

138. Organic Chemistry. (5 Hrs.) Prerequisite: course 33. Two lectures and three three-hour laboratory periods weekly. (20).

Second semester; T., Th., 11:00; M. W. F., 2:00-5:00. Professor CLARK, Associate Professor SMITHEY, and Mr. GARLAND, 11 and 33 S.

139. Dyes and Dye Intermediates. (2 or 4 Hrs.). Prerequisite: course 38. (24).

First semester; T., Th., 9:00; laboratory, T., Th., 2:00-5:00. Professor CLARK, 11 S.

140. Dyes and Dye Intermediates. (2 or 4 Hrs.) Prerequisite: course 39. (25).

Second semester; T., Th., 9:00; laboratory, T., Th., 2:00-5:00. Professor CLARK, 11 S.

151. Industrial Chemistry. (2 Hrs.). (19).

First semester; M., F., 9:00. Professor CLARK, 11 S.

152. Industrial Chemistry. (2 or 4 Hrs.). (22).

Second semester; W. F., 9:00. Professor CLARK, 11 S.

160. Physical Chemistry. (5 Hrs.) Prerequisites: Chemistry 33 and Physics 4. Three lectures and two three-hour laboratory periods weekly. (21).

Second semester; M., W., F., 9:00; T., Th., 2:00-5:00. Associate Professor DAVIES, 1 S.

162. Chemistry of Colloids. (2 or 4 Hrs.) Two lectures and two three-hour laboratory periods weekly. (26).

Second semester; T., Th., 8:00; M., F., 2:00-5:00. Associate Professor DAVIES, 1 S.

174. History of Chemistry. (2 Hrs.).

Second semester; T., Th., 9:00. Associate Professor HILL.

Courses Open to Graduates Only.

183. Physical Chemistry. (5 Hrs.). An elective course for graduate students; seniors by consent. Prerequisite: Chemistry 160.

First semester; hours to be arranged. Associate Professor DAVIES. 1 S.

185, 186, 187, 188. Research. (Credits as arranged; not to exceed five hours each semester.) (28).

Both semesters; hours to be arranged. Chemistry staff.

189, 190, 191, 192. Journal Meeting and Seminar. (1 Hr.) (30.)

Both semesters; M., 8:00. Professor CLARK and stoff.

196. Electro Chemistry. (3 Hrs.) Prerequisites: Courses 7, 138, 160, and Physics 3. One lecture and two three-hour laboratory periods weekly.

Second semester; hours to be arranged.

198. Qualitative Analysis. (2 Hrs.)

Second semester; T., Th., 9:00-12:00. Associate Professor HILL, 37 S.

ECONOMICS.

Courses Open Also to Advanced Undergraduates.

111. Money, Credit and Banking. (3 Hrs.) For graduates as a minor. Prerequisites: Economics 1 and 2.

First semester; M., W., F., 9:00. Professor VICKERS, 27 W.

112. Public Finance. (4 Hrs.) For graduates as a minor. Prerequisites: Economics 1 and 2.

Second semester; M., T., Th., F., 10:00. Professor VICKERS, 27 W.

113. Business Organization. (3 Hrs.) Prerequisites: Economics 1 and 2.

First semester; T., Th., S., 9:00. Professor RUFENER, 42 W.

114. Business Finance. (2 Hrs.) Prerequisite: Economics 11.

Second semester; T., Th., 9:00. Professor RUFENER, 27 W.

115. Investment and Speculation. (2 Hrs.) Prerequisites: Economics 11, 13 and 14.

First semester; T., Th., 11:00. Professor RUFENER, 42 W.

136 Business Forecasting. (2 Hrs.) Prerequisites: Economics 11, 13 and 31.

Second semester; T., Th., 2:00. Professor RUFENER, 42 W.

140. Labor Problems. (3 Hrs.) By consent. Prerequisites: Economics 1 and 2 and consent of instructor.

Second semester; M., W., F., 11:00. Professor VICKERS, 42 W.

141. Railroad Transportation. (3 Hrs.) Prerequisites: Economics 1 and 2.

First semester; M., W., F., 8:00. Professor RUFENER, 44 W.

145. International Trade Policies. (3 Hrs.) Prerequisites: Economics 1 and 2.

First semester; M., W., F., 11:00. Mr. FIELDS.

146. Foreign Trade Methods. (3 Hrs.) Prerequisites: Economics 45.

Second semester; T., Th., S., 8:00. Mr. FIELDS.

147. Economic Development. (3 Hrs.) Special reference to the U. S. Prerequisites: Economics 1 and 2.

First semester; T., Th., S., 10:00. Mr. FIELDS.

151. History of Economic Doctrines. (2 Hrs.) Prerequisites: Economics 1 and 2 and consent of instructor.

First semester; T., Th., 9:00. Professor VICKERS, 28 W.

152. Relations of Government to Economic Enterprises. (2 Hrs.) Prerequisite: Consent of instructor.

Second semester; T., Th., 9:00. Professor VICKERS, 42 W.

154. Economic Principles in Practice. (2 Hrs.) A problem course conducted by the case method. Prerequisites: Economics 11 and 13 and two other advanced courses in economics.

Second semester; M., F., 10:00. Professor RUFENER, 28 W.

155. Distribution of Wealth. (2 Hrs.) Prerequisites: Economics 51 and at least two other advanced courses.

First semester, T., Th., 8:00. Professor VICKERS, 28 W.

156. Seminar. Special problems in Economics. For seniors and graduates. Prerequisites: At least three advanced courses in Economics. Credit 2 to 4 hours.

Second semester; T., Th., 9:00. Professor VICKERS, 28 W.

Sociology.

Courses Open Also to Advanced Undergraduates.

131. Race Problems. (2 Hrs.) Prerequisites: Sociology 1 and consent of instructor.

First semester; T., Th., 9:00. Professor HARRIS.

133. Crime and Punishment. (2 Hrs.) Prerequisites: Sociology 1 and consent of instructor.

First semester; T., Th., 10:00. Assistant Professor SAPOSNEKOW.

141. Social Organization. (3 Hrs.) Prerequisites: Sociology 1 and 2.

First semester; M., W., F., 8:00. Professor HARRIS.

142. Theories of Social Progress. (3 Hrs.) Prerequisites: Sociology 1 and 2.

Second semester; M., W., F., 8:00. Professor HARRIS.

144. Social Investigation. (3 Hrs.) Prerequisites: Eight hours of sociology and three hours of economics.

Second semester; hours to be arranged. Professor HARRIS.

146. History of Social Thought. (2 Hrs.) Prerequisites: Eight hours of sociology and six hours of economics.

Second semester; M., F., 10:00. Assistant Professor SAPOSNEKOW.

147. Seminar. (1 Hr.) A critical study of the current literature of sociology. Prerequisites: nine hours of sociology and three hours of economics.

First semester; Th., 4:00. Professor HARRIS.

148. Seminar. (1 Hr.) Continuation of Course 147. Prerequisite: Sociology 47.

Second semester; Th., 4:00. Professor HARRIS.

EDUCATION.

Course Open Also to Advanced Undergraduates.

125. Educational Psychology. (3 Hrs.)
First semester; M., W., F., 9:00. Professor HILL, 17 W.

127. Experimental Education. (3 Hrs.)
First semester; M., W., F., 9:00. Professor CAVINS, 16 W.

130. Statistical Methods Applied to Education. (3 Hrs.)
Second semester; M., W., F., 9:00. Professor CAVINS, 16 W.

132. Tests and Measurements of General Intelligence. (2 to 4 Hrs.)
Second semester; T., Th., 4:00. Professor DEAHL, 18 W.

134. Problems in Secondary Education. (2 Hrs.)
Second semester; T., Th., 8:00. Professor ROBERTS.

137. Secondary School Program of Studies. (3 Hrs.)
Semester and hours to be arranged. Professor ROBERTS.

141. Teaching of English in the Secondary Schools. (2 Hrs.)
Second semester; T., Th., 9:00. Assistant Professor ————.

144. Principles of Teaching. (3 Hrs.)

First semester; sections, M., W., F., 8:00 and 9:00.

Second semester; sections, M., W., F., 8:00 and 11:00. Associate Professors HUMPHREYS and Assistant Professor POLLOCK, 18 W and 17 W.

148. Directed Teaching. (3 Hrs.)

First and second semesters; T., Th., 11:00. Staff; 2:00 to 4:00.

150. Seminar in Directed Teaching. (1-3 Hrs.)
First or second semester; hours to be arranged. Staff.

155. Supervision of Learning and Teaching. (3 Hrs.)
First semester; M., W., F., 9:00. Professor DEAHL, 18 W.

160. Seminar in Supervision of Instruction. (3 Hrs.)
Second semester; M., W., F., 9:00. Professor DEAHL, 18 W.

163. School Administration and Supervision. (2 Hrs.)
First semester; T., Th., 2:00. Professor DEAHL, 18 W.

164. School Administration and Supervision. (2 Hrs.)
Second semester; T., Th., 4:00. Professor ROBERTS, 16 W.

168. Supervision of Rural Schools. (2 or 3 Hrs.)
Second semester; T., Th., 2:00. Professor HILL, 17 W.

170. Seminar in Educational Psychology. (2 or 3 Hrs.)
Second semester; hours to be arranged. Professor CAVINS.

174. Psychology of Reading. (2 Hrs.)
Second semester; hours to be arranged. Professor CAVINS.

176. Seminar in Educational Sociology. (3 Hrs.)
Second semester; T., Th., 2:00. Professor DEAHL, 18 W.

177. Mental and Physical Measures and Tests. (2 to 4 Hrs.)
First semester; T., Th., 4:00. Professor DEAHL, 18 W.

178. Construction and Use of Standard Tests. (2 Hrs.)
Second semester; T., Th., 10:00. Professor CAVINS, 16 W.

182. History of Education. (2 Hrs.)
Second semester; T., Th., 8:00. Associate Professor HUMPHREYS, 17 W.

183. Seminar in Domestic and Foreign School Systems. (2 Hrs.)
Second semester; T., Th., 11:00. Professor HILL, 17 W.

186. Seminar in Normal School Problems. (2 Hrs.)
Second semester; hours to be arranged. Professor HILL, 17 W.

188. **Public School Programs of Studies.** (3 Hrs.)
Second semester; M., W., F., 9:00. Professor ————.

191. **School Curricula. Seminar.** (2 or 4 Hrs.)
First and second semesters; hours to be arranged. Professor HILL, 18 W.

195. **Educational Surveys.** (2 Hrs.)
First semester; T., Th., 9:00. Professor CAVINS.

ENGLISH.

Courses Open Also to Advanced Undergraduates.

121. **Advanced Composition.** (2 Hrs.) The course is intended for a limited number of students who desire to take up some particular topic or problem in advance composition or who wish personal criticism and direction in the preparation of theses or papers in connection with other courses. Students must consult the instructor before registering for the course.
First semester; M., F., 10:00. Professor JOHNSON, 24 W.

123. **English Prose Style.** (2 Hrs.) For seniors and graduate students. The work will be varied to suit the needs of the students who desire the course. Prerequisite:
First semester; M., F., 10:00. Professor JOHNSON, 24 W.

131. **Old English.** (3 Hrs.) The essentials of Anglo-Saxon grammar; translations.
First semester; M., W., F., sections at 8:00 and 11:00. Professor Cox, 32 W.

132. **Old English—Beowulf.** (3 Hrs.) For graduates who have had English 131.
Second semester; M., W., F., 8:00. Professor Cox, 32 W.

133. **Early Middle English.** (2 Hrs.) For graduates who have had English 131. Reading of early middle English texts.
First semester; T., Th., 8:00. Professor Cox, 32 W.

134. **Chaucer.** (3 Hrs.) The Canterbury Tales.
Second semester; M., W., F., 9:00. Professor Cox, 32 W.

135. **Shakespeare.** (3 Hrs.) A critical reading of Hamlet, Henry IV, Part I, and Henry V.
First semester; M., W., F., 9:00. Professor Cox, 32 W.

142. **Shakespeare.** (3 Hrs.) Several plays are read with attention to characters, plot development, and general literary interpretation.

Second semester; M., W., F., 8:00. Professor ARMSTRONG, 31 W.

145. **Milton.** (2 Hrs.) A study of Milton's poems and the Areopagitica.

Second semester; T., Th., 11:00. Professor COX, 32 W.

149. **English Literature.** (2 Hrs.) From the publication of the Lyrical Ballads to the death of Scott. (1798-1832.)

First semester; T., Th., 11:00. Professor ARMSTRONG, 31 W.

152. **English Literature.** (2 Hrs.) A study of the chief prose writers of the nineteenth century exclusive of fiction. (Omitted in 1925-26.)

First semester; T., Th., 11:00. Professor ARMSTRONG, 31 W.

155. **Tennyson.** (2 Hrs.) Special attention is paid to the origin of the Arthurian legends. (Omitted in 1925-26.)

First semester; T., Th., 11:00. Professor COX, 32 W.

158. **Rudyard Kipling.** (3 Hrs.) For juniors, seniors and graduates.

Second semester; M., W., F., 11:00. Professor COX, 32 W.

162. **The Modern Drama.** (3 Hrs.) For juniors, seniors and graduates. Besides the English and American plays studied, a few foreign plays in translation will be considered.

Second semester; M., W., F., 11:00. Professor COX, 32 W.

172. **The Ballad.** (2 Hrs.) A study of the popular English and Scottish ballads with a special consideration of types found in West Virginia.

Second semester; T., Th., 11:00. Professor COX, 32 W.

173. **A Study of Poetry.** (2 Hrs.) English poetry; types, forms, meters and other essential qualities.

Second semester; T., Th., 11:00. Professor BARBE, 33 W.

176. **The Novel.** (3 Hrs.) Various types of the novel are studied in order to show its development and relation to life.

Second semester; M., W., F., 9:00. Professor JOHNSON, 24 W..

177. **The Essay.** (3 Hrs.) Preparation of a semester paper is part of the work of the course.

First semester; M., W., F., 9:00. Professor JOHNSON, 24 W.

184. **English Literature.** (2 Hrs.) Study of an author. The entire production or the most important work of some author is studied to gain a complete view. Prerequisite: At least four hours of advanced English. In 1926 Ruskin will be studied.

Second semester; T., Th., 8:00. Professor ARMSTRONG, 31 W.

GEOLOGY.

113. **Oil and Gas Geology.** (2 or 3 Hrs.) Prerequisites: Geology 32, trigonometry, college chemistry and physics.

First semester; T., Th., 8:00 and a third hour to be arranged. Professor SCHEFFEL, 111 M. H.

162. **Field Geology.** (3 Hrs.) Open to graduates as a minor. Prerequisites: Geology and surveying.

Second semester; Th., 11:00; S., 8:00-12:00. Associate Professor SCHEFFEL, 112 M. H.

166. **Advanced Field Geology.** (3 to 5 Hrs.) Open only to graduates. Special geologic problems to be worked out by the student. Students interested must consult the instructor before registering.

Second semester; hours to be arranged. Associate Professor SCHEFFEL, 112 M. H.

171, 172. **Field Geology on Distant Areas.** (1 to 3 Hrs.) Prerequisites: Geology 81 and 32.

First and second semester; hours to be arranged. Professor TILTON, 112 M. H.

181. **Historical Geology** (Paleontology) Laboratory. (1 Hr.) Open to graduate students as a minor only.

First semester; M., 2:00-5:00. Professor TILTON, 111 M. H.

182. **Historical Geology (Paleontology) Laboratory.** (1 Hr.) Open to graduate students as a minor only. A continuation of Course 81.

Second semester; T., 2:00-5:00. Professor TILTON, 111 M. H.

183, 184. **Stratigraphic Paleontology.** (1 Hr.) A study of the characteristic fossils used in the identification of strata. Prerequisite: Course 81.

Either semester; F., 1:00-4:00. Professor TILTON, 111 M. H.

187. **Petrography.** (2 Hrs.) Prerequisite: Geology 31; preferably additional knowledge of mineralogy and of light.

First semester; T., Th., 9:00; laboratory hours to be arranged. Professor TILTON, 112 M. H.

191, 192. Geologic Readings, Seminar Plan. (1 Hr. each semester.) Prerequisite: Course 3.

Both semesters; hour to be arranged. Professor TILTON.

GERMAN.

Courses Open Also to Advanced Undergraduates.

141. Faust. Part I. (2 Hrs.) Open also to qualified undergraduates.

First semester; T., Th., 2:00. Professor PORTERFIELD, 25 W.

142. Faust. Part II. (2 Hrs.) Prerequisite: Course 101.

Second semester; T., Th., 2:00. Professor PORTERFIELD, 25 W.

Courses Open to Graduate Students Only.

145. History of German Literature. 1796-1870. (2 Hrs.) Given in 1926-27.

First semester; T., Th., 10:00. Professor PORTERFIELD, 25 W.

146. History of German Literature. 1870-1914. (2 Hrs.) Continuation of Course 145. Given in 1926-27.

Second semester; T., Th., 10:00. Professor PORTERFIELD, 25 W.

147. German-Swiss Literature. (2 Hrs.) Intensive study of the modern Swiss novel from Gottfried Keller to the present. Given in 1926-27.

First semester; T., Th., 3:00. Assistant Professor MICHEL, 20 W.

148. German-Swiss Literature. (2 Hrs.) Continuation of Course III. Given in 1926-27.

Second semester; T., Th., 3:00. Assistant Professor MICHEL, 20 W.

HISTORY.

Courses Open Also to Advanced Undergraduates.

114. Renaissance and Reformation. (3 Hrs.)

Second semester; M., W., F., 11:00. Assistant Professor MITCHELL, 43 W.

115. Contemporary Europe. 1870-1921. (3 Hrs.) Prerequisite: A knowledge of the outline facts of European history from 1815 to 1870. Omitted in 1925-26.

First semester; M., W., F., 11:00. Professor CHITWOOD, 41 W.

116. Seminar in European History. (2 Hrs.) Open to seniors with the consent of the instructor. Omitted 1925-26.

First semester. Professor CHITWOOD, 41 W.

117. Seminar in Modern European History. (2 Hrs.)

Second semester; T., Th., 10:00. Assistant Professor MITCHELL, 43 W.

118. The Causes of the World War. (2 Hrs.) Open to seniors with the consent of the instructor. Omitted in 1925-26.

Second semester. Professor CHITWOOD, 41 W.

132. History of Canada. (2 Hrs.) Primarily for juniors and seniors who have had History 27 and 28 but open to graduates.

Second semester; T., Th., 11:00. Professor SHORTRIDGE, 20 L.

133. The Puritan Revolution. (3 Hrs.) Prerequisites: History 27 and 28.

Second semester; M., W., F., 9:00. Professor SHORTRIDGE, 20 L.

136. English Constitutional History and law. (2 Hrs.) Prerequisite: History 27 and 28.

137. Seminar in English and Canadian History. (2 Hrs.)

First semester; T., Th., 9:00. Professor SHORTRIDGE, 20 L.

137. Seminar in English and Canadian History. (2 Hrs.)

Second semester; T., Th., 9:00. Professor SHORTRIDGE, 20 L.

158. Reconstruction and Later American History. 1864-1924. (3 Hrs.) Primarily for seniors who major in history but open to other seniors and graduates on approval.

Second semester; M., F., 10:00 and third hour to be arranged. Professor AMBLER, 45 W.

159. The Trans-Allegheny Frontier. (2 Hrs.)

First semester; T., Th., 8:00. Professor AMBLER, 45 W.

160. History of American Diplomacy and Foreign Policy. 1776-1920. (2 Hrs.) Open to seniors and graduates who have credit for History 52, 53 or 55.

First semester; T., Th., 9:00. Professor CALLAHAN, 20 L.

161. Latin-American History. (2 Hrs.) Primarily for seniors but open to graduates. Omitted 1925-26.

Second semester; T., Th., 9:00. Professor CALLAHAN, 21 L.

162. The American Revolution and the Making of the Constitution. (2 Hrs.)

Second semester; T., Th., 8:00. Professor AMBLER, 45 W.

163. Anglo-American Diplomatic Relations. (2 Hrs.) For seniors and graduates who have had college courses in American political or constitutional history or History 160. Omitted 1925-26.

First semester; T., Th., 9:00. Professor CALLAHAN, 20 L

164. American Relations With Latin America. (2 Hrs.) For seniors and graduates who have had college courses in American political history.

Second semester; T., Th., 11:00. Professor CALLAHAN, 20 L.

165. Special American Diplomatic Problems. (2 Hrs.) Primarily for history majors, seniors and graduates whose previous credit include History 52 or 53 and 160. Omitted 1925-26.

Second semester; T., Th., 3:00. Professor CALLAHAN, 20 L.

166. American Expansion Policy. (2 Hrs.) For graduate students.

First semester; hours to be arranged. Professor CALLAHAN.

167. History of the South. (2 Hrs.) For seniors and graduates. Omitted 1925-26.

Professor AMBLER, 45 W.

168. The Jacksonian Era. (2 Hrs.) For graduates.

Second semester; M., F., 10:00. Professor CHITWOOD, 41 W.

170. Seminar. (2 Hrs.) Primarily for graduates and History majors who are preparing theses. Methods of historical research, construction and interpretation.

First and second semesters; 3:00. Professor CALLAHAN, 22 L.

Political Science.

115. **American Practical Politics: Government at Work.** (2 Hrs.) Open to seniors and graduates.

First semester; M., F., 10:00. Professor CALLAHAN, 20 L.

116. **European History and Practical Politics.** (2 Hrs.) Primarily for seniors who have had history and open to graduates as a minor.

First semester; T., Th., 10:00. Assistant Professor MITCHELL, 43 W.

118. **State and Local Administration.** (2 Hrs.) For seniors and graduates. Second semester. (Omitted 1925-26).

Professor AMBLER.

119. **Historical Political Theories.** (2 Hrs.) (Omitted 1925-26).

Professor AMBLER.

120. **American Political Theories.** (2 Hrs.) (Omitted 1925-26).

Professor AMBLER.

123. **International Law and Practice of Diplomacy.** (2 Hrs.) Open to seniors and graduates with prerequisite courses in modern history.

Second semester; T., Th., 9:00. Professor CALLAHAN, 20 L.

160. **American Diplomacy and Foreign Policy.** (See History 160).

LATIN.

Courses Open Also to Advanced Undergraduates.

131. **Horace's Satires and Epistles.** (4 Hrs.)

First semester; M., T., Th., F., 10:00. Professor CANNADAY, 29 W.

132. **Roman Life and Customs.** (4 Hrs.) The basis for study is selected readings from the letters of Cicero and Pliny and the satires of Juvenal.

Second semester; M., T., Th., F., 10:00. Professor CANNADAY, 29 W.

MATHEMATICS.

Courses Open Also to Advanced Undergraduates.

140. Differential Equations. (3 Hrs.) Prerequisites: Courses 6, 7, or 8, 9.

Second semester; M., W., F., 1:00. Professor EIESLAND, 300 M. H.

141. Theory of Determinants and Analytic Geometry of Space. (2 Hrs.) Prerequisites: Courses 6, 7, or 8, 9.

First semester; T., Th., 3:00. Assistant Professor TURNER, 114 M. H.

142. Advanced Topics in Calculus. (2 Hrs.)

Second semester; T., Th., 3:00. Assistant Professor BUCHANAN, 205, M. H.

143. Projective Geometry. (3 Hrs.)

Second semester; M., W., F., 3:00. Assistant Professor TURNER, 114 M. H.

151. Descriptive Astronomy. (3 Hrs.) Prerequisites: Courses 6, 7 or 8, 9.

Second semester; M., W., F., 3:00. Professor EIESLAND, 3:00 M. H.

152. Practical Astronomy. (1 Hr.) Sextant work and work with a portable transit.

Second semester; T., 1:00. Professor EIESLAND.

Courses Open to Graduates Only.

180. Higher Plane Curves with Special Reference to Curves of the Third and Fourth Order. (3 Hrs.)

First semester; M., W., F., 4:00. Assistant Professor TURNER.

181. Higher Plane Curves. Continuation of course 180.

Second semester; M., W., F., 4:00. Assistant Professor TURNER.

182. Introduction to the Theory of Functions of a Comples Variable. (3 Hrs.)

First semester; M., W., F., 4:00. Assistant Professor BUCHANAN.

183. Introduction to the Theory of Functions of a Complex Variable. (3 Hrs.) Continuation of course 182.

Second semester; M., W., F., 4:00. Assistant Professor BUCHANAN.

184. **Differential Geometry and Theory of Surfaces.** (3 Hrs.)
Second semester; M., W., F., 3:00. Professor EIESLAND.

185. **Differential Geometry and Theory of Surfaces.** (3 Hrs.)
Second semester; M., W., F., 3:00. Professor EIESLAND.

186. **Introduction to the Theory of Integral Equations.** (3 Hrs.)
First semester; hours to be arranged. Assistant Professor REYNOLDS.

187. **Introduction to the Theory of Integral Equations.** (3 Hrs.)
Second semester; hours to be arranged. Assistant Professor REYNOLDS.

188. **Mathematical Seminar.** (2 Hrs.)
First semester; hours to be arranged. Assistant Professor BUCHANAN.

189. **Mathematical Seminar.** (2 Hrs.)
Second semester; hours to be arranged. Assistant Professor REYNOLDS.

190. **Vector Analysis.** (3 Hrs.)
Second semester; hours to be arranged. Professor EIESLAND.

191. **Linear and Quadratic Line Complexes.** (3 Hrs.) Methods of Plucker, Klein and Lie. Prerequisites: Courses 184 and 185. Omitted 1924-25.
First semester; hours to be arranged. Professor EIESLAND.

192. **Linear and Quadratic Line Complexes.** Continuation of Course 191. Omitted 1924-25.
Second semester; hours to be arranged. Professor EIESLAND.

193. **Algebraic Geometry and Theory of Abelian Integrals.** (3 Hrs.)
First semester; hours to be arranged. Professor EIESLAND.

194. **Algebraic Geometry and Abelian Integrals.** (3 Hrs.)
Second semester; hours to be arranged. Professor EIESLAND.

PHILOSOPHY AND PSYCHOLOGY.

Courses Open Also to Advanced Undergraduates.

113. **Modern Thought.** (3 Hrs.) Prerequisites: Psychology 1, Philosophy 15, and Philosophy 2.

Second semester; M., W., F., 9:00. Professor CUNNINGHAM, 36 L.

114. **Contemporary Thought.** (2 Hrs.) The idealistic, the realistic, and the pragmatic types of thought are considered. Considerable knowledge of mathematics, physics, and biology desirable. Prerequisites: Psychology 1, Philosophy 15 and either Philosophy 2, 7 or 8.

First semester; M., F., 10:00. Professor CUNNINGHAM, 36 L.

117. **Metaphysics.** (2 Hrs.) A critical study of a selected system of thought. Prerequisites: Psychology 1, Philosophy 2, Philosophy 15, and one course from Philosophy 7, 8 and 9.

Second semester; T., Th., 2:00. Professor CUNNINGHAM, 36 L.

130. **Advanced Psychology.** (3 Hrs.) A critical constructive study of systematic psychology. Prerequisites: Courses 1 and 12.

Second semester; M., W., F., 11:00. Professor WINTER, 33 L.

140. **History of Psychology.** (2 Hrs.) A survey of the development of psychological theory with special emphasis upon modern psychological problems. Prerequisites: Course 1 in psychology and courses 7 and 8 in philosophy.

First semester; hours to be arranged. Professor WINTER, 33 L.

PHYSICS.

Courses Open Also to Advanced Undergraduates.

121. Light. (3 Hrs.) Same as Course 21. Counted for graduate credit for students whose major is physics.
Professor MOLBY.

124. Radio-Telegraphy and Radio-Telephony. (4 Hrs.)
Professor COLWELL.

125. Modern Electrical Theory. (3 Hrs.)
Associate Professor GEORGE.

126. Modern Electrical Theory. (3 Hrs.)
Associate Professor GEORGE.

131. Theoretical Mechanics. (3 Hrs.)
Associate Professor GEORGE.

132. Heat Wave Motion. (3 Hrs.)
Associate Professor GEORGE.

133. Electricity and Magnetism. (3 Hrs.)
Professor COLWELL.

134. Electricity and Magnetism. (3 Hrs.)
Professor COLWELL.

141, 143, 145, 147. Physics Seminar. (1 Hr.)
Professor COLWELL.

142, 144, 146, 148... Physics Seminar. (1 Hr.)
Professor COLWELL.

149. Intermediate Laboratory. (2 Hrs.)
Professor COLWELL.

150. Intermediate Laboratory. (2 Hrs.)
Professor COLWELL.

Courses for Graduate Students Only.

181. Physical Optics. (3 Hrs.)
First semester; hours to be arranged. Professor MOLBY, 21 M.

182. Physical Optics. (3 Hrs.)
Second semester; hours to be arranged. Professor MOLBY, 21 M.

183. Kinetic Theory of Gases and Molecular Physics. (3 Hrs.)
First semester; hours to be arranged. Professor COLWELL, 16 M.

184. **Kinetic Theory of Gases and Molecular Physics.** (3 Hrs.)

Second semester; hours to be arranged. Professor COLWFLL, 16 M.

185. **The Electron Theory.** (3 Hrs.)

First semester; hours to be arranged. Associate Professor GEORGE, 15 M.

186. **The Electron Theory.** (3 Hrs.) Continuation of Course 185.

Second semester; hours to be arranged. Associate Professor GEORGE.

187. **Radio-Activity.** (3 Hrs.)

First semester; hours to be arranged. Professor MOLBY, 16 M.

188. **Radio-Activity.** (3 Hrs.) Continuation of Course 187.

Second semester; hours to be arranged. Professor MOLBY, 16 M.

189. **Conduction of Electricity Through Gases.** (3 Hrs.)

First semester; hours to be arranged. Associate Professor GEORGE, 20 M.

190. **Conduction of Electricity Through Gases.** (3 Hrs.) Continuation of Course 189.

Second semester; hours to be arranged. Associate Professor GEORGE, 20 M.

191. **Electric Waves.** (3 Hrs.)

First semester; hours to be arranged. Professor COLWELL, 16 M.

192. **Electric Waves.** (3 Hrs.) Continuation of Course 191.

Second semester; hours to be arranged. Professor COLWELL, 16 M.

193. **Experimental Research.** (Credit according to work done but not to exceed 10 hours in all). Required of all candidates for Master of Arts degree with major in Physics.

First semester; hours to be arranged. Professor COLWELL, 16 M.

194. **Experimental Research.** Continuation of Course 193.

Second semester; hours to be arranged. Professor COLWELL, 16 M.

NOTE: Not more than one of the purely graduate courses offered by any one instructor will be given in any one semester.

It is highly desirable that candidates for the master's degree should have a reading knowledge of both French and German.

ROMANCE LANGUAGES—FRENCH.

Courses Open Also to Advanced Undergraduates.

121. The Romantic Movement. (3 Hrs.) Prerequisites: French 13, 14, 15, 16 or equivalent.
First semester; M., W., F., 11:00. Professor STATHERS, 11 W.

122. French Literature since 1850. (3 Hrs.) Prerequisites: French 13, 14, 15, 16 or equivalent.
Second semester; M., W., F., 11:00. Professor STATHERS, 11 W.

123. The Contemporary Drama. (2 Hrs.)
First semester; T., Th., 9:00. Professor DARBY, 14 W.

124. Historical Novel in the 19th Century. (2 Hrs.)
Second semester; T., Th., 9:00. Professor DARBY, 14 W.

129. Literature of the 16th Century. (2 Hrs.)
First semester; T., Th., 8:00. Associate Professor SPIKER, 13 W.

130. The 16th Century after 1550. (2 Hrs.)
Second semester; T., Th., 8:00. Associate Professor SPIKER, 13 W.

131. Advanced Composition and Phonetics. (2 Hrs.)
First semester; T., Th., 11:00. Professor STATHERS, 11 W.

132. Problems in Teaching French. (2 Hrs.)
Second semester; T., Th., 11:00. Professor STATHERS, 11 W.

Courses Open to Graduates Only.

195. Seminar. (2-5 Hrs.)
First semester; hour to arranged. Professor STATHERS, 11 W.

196. Seminar. (2-5 Hrs)
Second semester; hour to be arranged. Professor STATHERS, 11 W.

SPANISH.

Courses Open Also to Advanced Undergraduates.

115. Lyric Poetry. ..(3 Hrs.) Omitted 1925-26.
First semester; M., W., F., 8:00. Assistant Professor MITRANI.

116. Civilization and Culture. (3 Hrs.) (Omitted 1925-26.)

121. Literature of the Golden Age. (3 Hrs.)
First semester; M., W., F., 9:00. Professor STATHERS, 11 W.

122. The Golden Age after Lope de Vega. (3 Hrs.)
Second semester; M., W., F., 9:00. Professor STATHERS, 11 W.

123. Spanish American Literature. (2 Hrs.) (Omitted 1925-26.)
First semester; T., Th., 8:00. Assistant Professor MITRANI.

124. Spanish American Literature. (2 Hrs.) A continuation of Course 123. (Omitted 1925-26.)
Second semester; T., Th., 8:00. Assistant Professor MITRANI.

Courses Open to Graduate Students Only.

195. Literature of the 16th Century. (3 Hrs.) (Omitted 1925-26.)
First semester; M., W., F., 9:00. Professor STATHERS, 11 W.

196. Old Spanish. (3 Hrs.) Omitted 1925-26.
Second semester; M., W., F., 9:00. Professor STATHERS, 11 W.

ZOOLOGY.

Courses Open Also to Advanced Undergraduates.

110. Principles of Biology. (3 Hrs.) Prerequisite: Zoology 1 or an equivalent. This course may count towards a minor for graduate work by arranging with the instructor in course 10 for additional work.
Second semester; M., W., F., 9:00. Professor CHIDESTER, 46 W.

131, 132, 133. Comparative Anatomy, Histology and Embryology. (3-5 Hrs. per semester.) These courses may count towards a minor for graduate work.
First semester; M., F., 2:00-5:00. Professor CHIDESTER, 47 W.

140. Current Literature. (1 Hr.)
First and second semesters; hours to be arranged. Professor REESE, 47 W.

Courses Open Only to Graduates.

181, 182, 183, 184, 185. Comparative Anatomy, Histology and Embryology. (1-5 Hrs. per semester.)
First and second semesters; hours to be arranged. Professor REESE, Professor CHIDESTER and Assistant Professor TAYLOR, 47 W.

190, 191, 192, 193, 194, 195. Research Work. (1-5 Hrs. per semester.)
First and second semesters; hours to be arranged. Professor REESE, Professor CHIDESTER and Assistant Professor TAYLOR, 47 W.

NOTE: For courses in entomology and genetics see announcement of courses in the College of Agriculture.

COLLEGE OF ENGINEERING.

INDUSTRIAL EDUCATION.

121. Vocational Education. (2 Hrs.) Open to juniors, seniors, and graduates. Graduate students will work out special problems under the direction of the instructor. This course is intended for superintendents, principals, and vocational teachers to acquaint them with the influences which tend to broaden our educational activities, with federal and state aid, with the types of work suitable for different communities, and with the qualifications of teachers.

First semester; T., Th., 10:00. Professor MACLIN, 16 W.

STEAM, GAS AND EXPERIMENTAL ENGINEERING.

122. Heat Engines. (3 Hrs.) Continuation of Thermodynamics 121.

Second semester. Professor GRUMBEIN.

123. Power Plant Design. (3 Hrs.) Prerequisite: Thermodynamics 121.

First semester. Professor GRUMBEIN.

125. Steam Turbines. (3 Hrs.) Prerequisite: Heat Engines 122.

Second semester. Professor GRUMBEIN.

126. Gas Engines and Gas Engineering. (3 Hrs.) Fuel gases, gas production and transmission, gas engines, etc. Prerequisite: Heat Engines 122.

Second semester. Professor GRUMBEIN.

127. Heating and Ventilating. (3 Hrs.) Optional for students in mechanical engineering. Prerequisite: Thermodynamics 121 or Heat Engineering 120.

Second semester. Professor GRUMBEIN.

133. Engineering Laboratory. (2 Hrs.) Continuation of Laboratory 132. Prerequisite: Engineering Laboratory 132.

Second semester. Professor GRUMBEIN and Mr. AMIDON.

134. Engineering Laboratory. Open only to graduates. Commercial tests and research work. Prerequisite: Engineering Laboratory 133. Credit will be given on the basis of the time spent in the laboratory and the progress of the students.

Hours to be arranged. Dean JONES and Professor GRUMBEIN.

136. Highway Laboratory. Open to fourth year and graduates in civil, mechanical, chemical, and mining engineering. Credit will be given on basis of time spent in the laboratory and the progress of the student.

Hours to be arranged. Professor GRUMBEIN.

STRUCTURAL AND HYDRAULIC ENGINEERING.

145. Steel Building Design. (3 Hrs.) As part of this course a small mill building is completely designed and show drawings made for it. Prerequisite: Roofs and Bridges 141.

Either semester. Professor DAVIS.

146. Foundations and Masonry. (3 Hrs.) Prerequisites: Mechanics of Materials 71, and Mechanical Laboratory 130.

First semester. Professor DAVIS and Mr. CARPENTER.

150. Water Power Engineering. (3 Hrs.) Prerequisite: Hydraulics 73.

Second semester. Professor DAVIS.

151. Hydraulic Measurements. (1 Hr.) Hydraulics 73.

Either semester. Professor DAVIS.

154. Statically Indeterminate Structures. Open only to graduate students. A continuation of Course 143.

155. Advanced Bridge Design. Computation and drawings for some type of statically indeterminate structure. Prerequisite: Courses 143 and 142.

Credit and hours to be arranged; both semesters. Professor DAVIS.

157. Advanced Water Power Engineering. A continuation of Course 150 with special emphasis on hydrology and the design of turbines. Open only to graduate students.

Credit and hours to be arranged; both semesters. Professor DAVIS.

ELECTRICAL ENGINEERING.

162. Transients, Surges and Electric Waves. (3 Hrs.) Prerequisite: Electrical Engineering 56.

Second semester. Professor FORMAN.

164. Electrical Research. For graduate students only.

Hours to be arranged. Professor FORMAN.

165. Industrial Applications of Electricity. (3 Hrs.) Prerequisite: Electrical Engineering 56.

Second semester. Professor HALL.

167. High Tension Dielectric Phenomena. (3 Hrs.) Prerequisite: Engineering 55.

Second semester. Professor FORMAN.

168. **Telephone Engineering.** (3 Hrs.) One laboratory period a week. Prerequisite: Engineering 55.

Second semester. Professor FORMAN.

169. **Thesis.** (3 Hrs.) Special investigation or original research on some topic relating to electrical engineering.

Professor FORMAN and Professor HALL.

158. **Statically Indeterminate Structures.** A continuation of Course 154. Open only to graduate students.

Credit and hours to be arranged; both semesters. Professor DAVIS.

CHEMICAL AND METALLURGICAL ENGINEERING.

Professor HODGE and Assistant Professor KOEHLER.

171. **Metallurgy of Iron and Steel.** (2 Hrs.) Prerequisite: Chemistry 6.

First semester. Professor HODGE.

173. **Metallurgy Laboratory.** (1 Hr.) To accompany Course 171. Preparation and microscopical examination of twenty-five specimens of iron and steel; analytical determinations.

First semester. Professor HODGE and Assistant Professor KOEHLER.

174. **Metallography Laboratory.** (2 Hrs.) Prerequisites: Metallurgy 171, 172 and 173 and Chemistry 60.

Second semester. Professor HODGE.

175. **Ceramics.** (2 Hrs.) A review of the ceramic industries. Chemical and engineering principles applied in the manufacture of ceramic materials, pottery, enamels and glass. Prerequisite: Chemistry 21.

Either semester. Assistant Professor KOEHLER.

176. **Ceramics Laboratory.** (1 Hrs.) Working and testing of clays. Compounding of bodies, glazes, and enamels. Biscuit and glost firing; firing of enamel ware. Factory control tests. Prerequisite: Chemical Engineering 175.

Either semester. Assistant Professor KOEHLER.

177. **Refractories.** (1 Hr.) Manufacture, properties, and uses of refractory materials. Standard tests. Study of phase rule diagrams of refractory materials. Prerequisite: Chemistry 21.

Either semester. Assistant Professor KOEHLER.

180. **Benzene Derivatives.** (2 Hrs.) Manufacture of commercial products from benzene and related compounds; intermediates, dyes, drugs and explosives. Prerequisite: Chemistry 33. Recitation and laboratory.

Second semester. Professor HODGE.

181. **Chemical Engineering and Manufactures.** (2 Hrs.) Prerequisites: Chemistry 60 and Mechanical Laboratory 131.

First semester. Professor HODGE.

182. **Industrial Chemistry Laboratory.** (2 Hrs.) To accompany Course 181.

First semester. Professor HODGE and Assistant Professor KOEHLER.

183. **Chemical Engineering and Manufactures.** (2 Hrs.) Continuation of Course 181.

Second semester. Professor HODGE.

184. **Chemical Engineering Laboratory.** (2 Hrs.) To accompany Course 183. Continuation of Course 182.

Second semester. Professor HODGE and Assistant Professor KOEHLER.

186. **Oil Refininig Laboratory.** (2 Hrs.) Prerequisites: Chemistry 33 and Mechanical Laboratory 131.

Second semester. Professor HODGE.

190. **Electrochemical Industries.** (3 Hrs.) Primarily for graduate students; open to qualified chemical engineering seniors. Prerequisites: Electrical Engineering 53 and Chemistry 60.

Second semester. Assistant Professor KOEHLER.

192. **Biochemical Industries.** (3 Hrs.) Primarily for graduate students, open to qualified seniors in chemical engineering. Prerequisites: Chemical Engineering 183 and 184.

First semester. Professor HODGE.

193. **Coal Tar and By-Products.** Open only to graduate students and qualified seniors in chemical engineering. Prerequisites: Chemical Engineering 183 and 180 and 184.

Second semester. Professor HODGE.

195. Thesis. (2-5 Hrs.) Primarily for seniors in chemical engineering and graduate students. Some problem in chemical engineering or industrial chemistry is selected for investigation. A carefully prepared report is required. Credit is given in proportion to time put in and results obtained.

First semester. Professor HODGE and Mr. KOEHLER.

196. Research Problems. (5-10 Hrs.) More advanced and extended work on research problems than can be given in Course 185. Credit in proportion to work done but as a general rule no student will be allowed to register for this course who cannot put in time equivalent to 8 hours credit per semester for two consecutive semesters. Prerequisites: Chemical Engineering 183 and 184.

Either semester. Professor HODGE and Assistant Professor KOEHLER.

197. Research Problems. A continuation.

Second semester.

COLLEGE OF AGRICULTURE

AGRICULTURAL EDUCATION.

108. **Principles of Vocational Teaching.** (3 Hrs.) The development of principles underlying instruction in agricultural occupations. Should precede or accompany Course 11. Primarily for juniors.

Second semester; M., W., F., 9:00. Associate Professor ALLEN.

111. **Special Methods in Teaching Vocational Agriculture.** (3 Hrs.) Required of students preparing to teach vocational agriculture in secondary schools.

First semester for seniors; T., Th., 8:00; third hour to be arranged. Assistant Professor OLNEY.

113. **Directed Teaching.** (2 to 5 Hrs.) Required of all prospective teachers of vocational agriculture in order to qualify for certificate on graduation. Prerequisite: Agricultural Education 11.

Either semester; T., Th., 10:00. Assistant Professor OLNEY.

115. **Methods and Materials of Visual Instruction.** (2 Hrs.) Practice in the preparation and use of illustrative materials and devices used in teaching vocational agriculture. (Offered in alternate years, beginning 1926-27.)

First semester; T., Th., 9:00. Mr. PARSONS.

131. **Rural Organization.** (3 Hrs.) A study of the social and economic factors affecting rural life. Directed observation and participation in rural social programs. For seniors.

First semester; M., W., F., 11:00. Associate Professor ALLEN.

181, 182, 183, 184. **Research.** (1 to 5 Hrs. per semester). Prerequisites: Course 8, 31, and 11 or 20.

First and second semesters; hours to be arranged. Staff.

AGRONOMY.

116. **Breeding of Field Crops.** (3 Hrs.) Methods of improving crop plants by breeding. Prerequisites: Agronomy 1 and Genetics 21.

Second semester; T., Th., 9:00; and Th., 2:00-5:00. Professor GARBER.

117, 118, 119, 120. **Special Topics.** (1 to 3 Hrs. per semester.) Assigned literature and problems, with discussions. A student may elect elementary biometry, experimental field technic, a phase of crop production or a phase of crop breeding. Prerequisite: Consent of instructor.

First and second semesters; hours to be arranged. Professor GARBER and Associate Professor ODLAND.

181, 182, 183, 184. Research in Farm Crops. (1 to 5 Hrs. per semester.)

First and second semesters; hours to be arranged. Professor GARBER and Associate Professor ODLAND.

ANIMAL HUSBANDRY.

111. Animal Nutrition. (2 Hrs.) Composition of feeds and the metabolism of food nutrients. Open to juniors and seniors. Prerequisite: Chemistry 16.

First semester; M., 2:00-6:00. Professor LIVESAY.

112. Feeding Farm Animals. (3 Hrs.) Prerequisite: Animal Husbandry 11.

Second semester; M., W., F., 11:00. Assistant Professor WILSON and Mr. WHEELER.

143. Advanced Stock Judging. (2 Hrs.) Students taking this course will be required to participate in a tour of inspection of representative flocks, herds and studs. Prerequisite: Animal Husbandry 41.

First semester; two laboratory periods; W., 2:00-5:00; S., 8:00-12:00. Staff.

181, 182, 183, 184. Research. (1 to 5 Hrs. per semester.)

First and second semesters; hours to be arranged. Staff.

DAIRY HUSBANDRY.

112. Milk Production. (4 Hrs.) For juniors and seniors.

Second semester; M., W., F., 9:00; one laboratory period, M., 2:00-5:00. Professor ANTHONY.

136. Dairy Chemistry. (2 Hrs.) For seniors. Prerequisite: Dairy Husbandry 5 and 6.

Second semester; hours to be arranged.

138. Advanced Dairy Judging. (2 Hrs.) For seniors. Judging dairy cattle and dairy products. Prerequisite: Dairy Husbandry 11.

Second semester; two laboratory periods T., Th., 4:00-6:00. Associate Professor HENDERSON, Mr. GIFFORD and Mr. TROUT.

181, 182, 183, 184. Graduate Research. (1 to 5 Hrs. per semester.) Special assigned dairy problems.

First and second semesters; hours to be arranged. Professor ANTHONY.

ENTOMOLOGY.

103. Advanced General Entomology. (3 Hrs.)
First semester; T., Th., 10:00-12:00. Professor PEAIRS.

105, 106, 107, 108. Systematic Entomology. (1 to 3 Hrs. per semester.)
First and second semesters; hours to be arranged. Professor PEAIRS.

180. Insect Biology. (3 Hrs.)
Second semester; hours to be arranged. Professor PEAIRS.

181, 182, 183, 184. Research. (1 to 3 Hrs. per semester.)
First and second semesters; hours to be arranged. Porfessor PEAIRS.

FARM ECONOMICS.

116. Agricultural Land Problems. (2 Hrs.) Open to seniors. A study of land systems and policies of the leading agricultural countries.
Second semester; T., Th., 9:00. Professor DADISMAN and Mr. EKE.

181, 182, 183, 184. Research in Farm Economics. (1 to 3 Hrs. per semester.)
First and second semesters; hours to be arranged. Staff.

GENETICS.

121. Genetics. (3 Hrs.) A study of the principles of heredity.
First semester; M., F., 10:00; T., Th., or M., F., 4:30. Professor PEAIRS.

122. Genetics. (1 Hr.) Laboratory work to follow Course 121. Prerequisite: Course 121.
Second semester; hours to be arranged. Professor PEAIRS.

HORTICULTURE.

109. Systematic Pomology. (3 Hrs.) Open to juniors and seniors. A systematic study of the economic fruits. Prerequisite: Horticulture 1.
First semester; T., Th., 9:00; S., 9:00-12:00. Asscoiate Professor KNOWLTON.

112. Commercial Fruit Production. (4 Hrs.) Open to juniors and seniors. Prerequisite: Horticulture 9.
Second semester; M., W., F., 9:00; and one laboratory period F., 2:00-5:00. Associate Professor CRANE.

118. Sprays and Spraying. (2 Hrs.) Open to seniors. Prerequisite: Consultation.

Second semester; S., 8:00-12:00. Associate Professor CRANE.

119. Horticultural Field Trip. (1 to 2 Hrs.) Open to seniors. A trip of one or two weeks (the first week to be before college opens) will be made through the fruit regions of Eastern West Virginia, Virginia, Maryland and Pennsylvania. Registration should be made in the spring before college closes. Prerequisite: Horticulture 9 and 12.

First semester. Professor DORSEY and Associate Professor CRANE.

151, 152, 153, 154. Horticultural Seminar. (1 Hr. per semester.) For juniors and seniors.

First and second semesters; hours to be arranged. Professor DORSEY.

155, 156. Advanced Horticulture. (3 Hrs. per semester.) Open to seniors. Prerequisites: Horticulture 9 and 12, and Botany 12.

Both semesters; M., W., F., 11:00. Professor DORSEY and Associate Professor KNOWLTON.

158. Horticultural Crop Breeding. (3 Hrs.) Open to seniors. Prerequisite: Genetics 21.

Second semester; M., W., F., 9:00. Professor DORSEY.

181, 182, 183, 184. Graduate Research. (5 Hrs. per semester.)

First and second semesters; hours to be arranged. Professor DORSEY, Associate Professors KNOWLTON and CRANE and Assistant Professor WESTOVER.

PLANT PATHOLOGY.

109, 110. Experimental Plant Pathology. (2 to 5 Hrs. per semester.) Prerequisite: Plant Pathology 3 or its equivalent.

First and second semesters; hours to be arranged. Professor GIDDINGS and Assistant Professor LEONIAN.

181, 182, 183, 184. Research. (2 to 5 Hrs. per semester.) Prerequisites: Plant Pathology 3 and 9 or their equivalent.

First and second semesters; hours to be arranged. Professor GIDDINGS and Assistant Professor LEONIAN.

POULTRY HUSBANDRY.

121. **Advanced Poultry Judging.** (2 Hrs.) Prerequisite: Poultry 14.

First semester; F., 2:00-6:00. Associate Professor ANDREWS and Mr. WIGHTMAN.

181, 182, 183, 184. **Research.** (1 to 3 Hrs. per semester.)

Both semesters; hours to be arranged. Associate Professor ANDREWS.

SOILS.

107. **Soil Chemistry.** (3 Hrs.) Prerequisites: Soils 1 and qualitative and organic chemistry. Open to seniors.

Either semester; three laboratory periods to be arranged. Associate Professor DEATRICK.

181, 182, 183, 184. **Research.** (1 to 5 Hrs. per semester.)

Both semesters and summer; hours to be arranged. Associate Professor DEATRICK.

THE SCHOOL OF MEDICINE

ANATOMY.

107. **Advanced Histology.** (2 Hrs.) Open to advanced and graduate students.

Hours to be arranged. Associate Professor DODDS.

108. **Advanced Embryology.** (2 Hrs.) Open to advanced and graduate students.

Hours to be arranged. Associate Professor DODDS.

109. **Advanced Anatomy.** (Credit to be arranged.) Open to advanced and graduate students.

Professor MORRIS.

110. **Anatomy of the Eye, Ear, and Nose.** (2 Hrs.) Open to advanced and graduate students.

Professor MORRIS.

The College of Arts and Sciences

THE FACULTY.

FRANK BUTLER TROTTER, LL.D., *President*

JAMES MORTON CALLAHAN, PH.D., *Dean and Professor of History and Political Science.*

DANIEL BOARDMAN PURINTON, LL.D., *President and Professor of Philosophy, Emeritus*

JAMES SCOTT STEWART, B.S., *Professor of Mathematics, Emeritus*

ROBERT WILLIAM DOUTHAT, PH.D., *Professor of Latin, Emeritus*

SAMUEL BOARDMAN BROWN, A.M., *Professor of Geology and Mineralogy*

ROBERT ALLEN ARMSTRONG, L.H.D., *Professor of the English Language and Literature*

ALFRED JARRETT HARE, A.M., *Professor of the Latin Language and Literature*

JASPER NEWTON DEAHL, PH.D., *Professor of Education*

JOHN HARRINGTON COX, A.M., *Professor of English Philology*

JOHN ARNDT EIESLAND, PH.D., *Professor of Mathematics*

ALBERT MOORE REESE, PH.D., *Professor of Zoology*

OLIVER PERRY CHITWOOD, PH.D., *Professor of History*

MADISON STATHERS, PH.D., *Professor of Romance Languages*

WAITMAN BARBE, LITT.D., *Professor of English*

ENOCH HOWARD VICKERS, A.M., *Professor of Economics and Sociology*

CHARLES EDWARD BISHOP, PH.D., *Professor of the Greek Language and Literature*

FRIEND EBENEZER CLARK, PH.D., *Professor of Chemistry*

CHARLES BENTON CANNADAY, A.M., *Professor of Latin*

CHARLES HENRY AMBLER, PH.D., *Professor of History*

LORIMER VICTOR CAVINS, PH.D., *Professor of Education*

WILBUR JONES KAY, A.M., *Professor of Public Speaking*

ARLEIGH LEE DARBY, A.M., *Professor of French and Italian*

DAVID DALE JOHNSON, A.M., *Professor of English*

CARL ALFRED JACOBSON, PH.D., *Professor of Chemistry*

LAWRENCE BENJAMIN HILL, PH.D., *Professor of Education*

SAMUEL MORRIS, PH.D., *Professor of Chemistry*

FRED A. MOLBY, PH.D., *Professor Physics*

LOUIS AUGUST RUFENER, PH.D., *Professor of Economics*

WILSON P. SHORTRIDGE, PH.D., *Professor of History*

JOHN LITTLEFIELD TILTON, PH.D., *Professor of Geology*

THOMAS LUTHER HARRIS, PH.D., *Professor of Sociology*

FLOYD EARLE CHIDESTER, PH.D., *Professor of Zoology*

PERRY DANIEL STRAUSBAUGH, (B.S.), PH.D., *Professor of Botany*

HOLLY ESTIL CUNNINGHAM, (A.M.), PH.D., *Professor of Philosophy*

JOHN E. WINTER, PH.D., *Professor of Psychology*

ALLEN WILSON PORTERFIELD, PH.D., *Professor of German*

ROBERT C. COLWELL, PH.D., *Professor of Physics*

LONNA DENNIS ARNETT, PH.D., *Librarian and Instructor in Library Science*

HUBERT HILL, M.S., *Associate Professor of Chemistry*

EARL CLAUDIUS HAMILTON DAVIES, PH.D., *Associate Professor of Chemistry*

ENOCH FRANKLIN GEORGE, PH.D., *Associate Professor of Physics*

PERLEY ISAAC REED, PH.D., *Associate Professor of English*

ROBERT CLIFTON SPANGLER, A.M., *Associate Professor of Botany*

IRA WELLBORN SMITHEY[1], PH.D., *Associate Professor of Chemistry*

CLAUDE CARL SPIKER, PH.D., *Associate Professor of Romance Languages*

HARRY CHRISTOPHER HUMPHREYS, PH.D., *Associate Professor of Education*

EARL READ SCHEFFEL, M.S., *Associate Professor of Geology*

LAKIN FISKE ROBERTS, A.M., *Associate Professor of Education*

ELIZABETH MATTINGLY STALNAKER, PH.D., *Associate Professor of Education*

BENJAMIN WALTER KING, A.M., *Assistant Professor of Economics*

HARVEY CARSON GRUMBINE,[2] PH.D., *Assistant Professor of English*

REBECCA LUELLA POLLOCK[1], A.M., *Assistant Professor of Education*

LILY BELL SEFTON DEATRICK[1], PH.D., *Assistant Professor of Chemistry*

CLARENCE NEWTON REYNOLDS, JR., PH.D., *Assistant Professor of Mathematics*

EDMUND DANIEL McGARRY, A.B., M.B.A., *Assistant Professor of Economics*

MARGARET BUCHANAN, PH.D., *Assistant Professor of Mathematics*

JOHN RICHARDSON MILLER, PH.D., *Assistant Professor of French and Spanish*

CHARLES MITRANI[1], M.A., *Assistant Professor of Romance Languages*

BIRD MARGARET TURNER, PH.D., *Assistant Professor of Mathematics*

WERNER CASPER MICHEL, P.D.S., *Assistant Professor of German*

JACOB SAPOSNEKOW, A.M., *Assistant Professor of Sociology*

ROBERT BARCLAY DUSTMAN, PH.D., *Assistant Professor of Chemistry*

1On leave of absence 1924-25.
2Resigned, April, 1925.

LESTER COLLINS FARRIS, A.M., *Assistant Professor of English*

JEAN ELNORA RICHMOND, M.A., *Assistant Professor of Education and Home Economics*

LELAND HART TAYLOR, S.D., *Assistant Professor in Zoology*

HARRY CURTIS MITCHELL, PH.D., *Assistant Professor of History*

CLARA LYTLE, A.M., *Instructor in English*

ELIZABETH FROST REED, A.M., *Instructor in English*

NELLIE PERRELL AMMONS, A.M., *Instructor in Botany*

WILLIAM ORR SWAN, PH.D., *Instructor in Chemistry*

GREEK SAYRE, A.M., *Instructor in English*

LOUIS WATSON CHAPPELL, M.A., *Instructor in English*

HELEN PURINTON PETTIGREW, A.M., *Instructor in English*

ROBERT GRAHAM TURNER, A.M., *Instructor in Chemistry*

MARJA BROWN STEADMAN FEAR, A.B., *Instructor in Public Speaking*

MARTHA THEODA FULTON, A.M., *Instructor in English*

ROBERT LOUIS MOLITOR, M.A., *Instructor in English*

GRACE MARGARET GRIFFIN, A.B., *Instructor in Physical Education for Women*

ARCHIBALD MACGREGOR GRIMES, A.M., *Instructor in Spanish*

PAUL STUART BUCHANAN, A.B., *Instructor in Public Speaking*

SHERMAN WILLIAM BROWN, A.M., *Instructor in Romance Languages*

JOSEPH BANKS RHINE, M.S., *Instructor in Botany*

SIDNEY LAMONT McGEE, A.B., *Instructor in Romance Languages*

DUNCAN CLAIRE HARKINS, A.M., *Instructor in Mathematics*

MYRON IRVING BARKER, A.B., *Instructor in Romance Languages*

BETRAM DONALD BARCLAY, B.S., *Instructor in Botany*

ARMAND RENE COLLETT, PH.D., *Instructor in Chemistry*

MORRIS JOSEPH FIELDS, M.B.A., *Instructor in Economics*

CLARENCE EUGENE GARLAND, PH.D., *Instructor in Chemistry*

ANDREAS ELVIKEN, *Cand. Mag., Instructor in History*

HANNIBAL ALBERT DAVIS, A.B., *Assistant in Mathematics*

HARRY HILL, M.S., *Assistant in Physics*

WARREN SCUDDER BOURNE, A.B., *Assistant in Zoology*

CAREY WOOFTER, A.B., *Assistant in English*

LYNN WADDELL, A.B., *Assistant in English*

FRANCES HARSHBARGER, A.B., *Assistant in Mathematics*

ALTON BEE FORTNEY, A.B., *Assistant in Chemistry*

JOHN FRANK BARTLETT, *Student Assistant in Chemistry*

PAUL WALKER EDEBURN, B.S., *Assistant in Chemistry*

JOHN WILLIAM FARREN, B.S.Ch.E., *Assistant in Chemistry*

HAZEL VANDYKE ROBERTS, A.B., *Assistant in Economics*

GEORGE D. HOTT, A.M., *Assistant in History*

C. FREDERIC SHROEDER, Jr., A.B., *Assistant in Zoology*

WRIGHT MONTGOMERY WELTON, *Student Assistant in Chemistry*

LYLE KERMIT HERNDON, *Student Assistant in Chemistry*

CONSTANCE JANE SHARPLESS, *Student Assistant in Chemistry*

EDITH McKAY, *Storekeeper in Chemistry*

CHARLES WILLARD DRIVER, *Student Assistant in Chemistry*

ALBERT BEVERLY SCOTT, Jr., *Student Assistant in Chemistry*

ROY ELLIOTT BOONE, *Student Assistant in Chemistry*

MAHON LUCAS HENDERSON, *Student Assistant in Physics*

MAURICE COFFYN HOLMES, *Student Assistant in Physics*

LUCY MALINDA WOLFE, *Student Assistant in Chemistry*

DOROTHY WOODBURN, *Student Assistant in Chemistry*

HUGO BLUMENBERG, *Student Assistant in Economics*

JOHN VIRGIL ROACH, *Student Assistant in Economics*

HAROLD FRANCIS PORTERFIELD, *Student Assistant in History*

NETTIE SOUTHWORTH HERNDON, *Student Assistant in History*

EULAI BROOKS CALLAGHAN, *Student Assistant in Chemistry*

THOMAS STEPHEN CRAWFORD, *Student Assistant in Mathematics*

THEODORE COOPER, *Student Assistant in Zoology*
RICHARD CONNER HAISLIP, *Student Assistant in Zoology*
CHARLES LYNVILLE LEPPERT, *Student Assistant in Zoology*
MILTON WOLPERT, *Student Assistant in Zoology*
LEE FULMER, *Mechanician in Physics Department*
JOHN PIERPONT HELMICK, *Student Assistant in Philosophy*
JANE COX, *Student Assistant in Psychology*

ENTRANCE REQUIREMENTS.

For admission to the College of Arts and Sciences the student must have credit for fifteen units of secondary school work, i. e., the work of a standard four-year high school.

A. The following groups are required:
   (1) Three or four units of English[1].
   (2) Two units in mathematics (one in algebra and one in geometry).
   (3) Three units in a third subject.
   (4) Two units in a fourth subject.
   (5) Four units elective.

B. Work in the following subjects not to exceed the number of units placed after each subject will be accepted:

English	4 units	Science[3]	
		Physics	1 unit
Foreign Languages[2]		Chemistry	1 unit
Latin	4 units	Biology	1 unit
Greek	3 units	Botany	1 unit
French	3 units	Geology	1 unit
German	3 units	Zoology	1 unit
Spanish	2 units	General Science	1 unit
Italian	2 units	Physical Geography	½ unit
		Physiology	½ unit
Mathematics		Hygiene and sanitation	½ unit
Algebra	2 units	Commercial Geography	½ unit
Plane Geometry	1 unit	Commercial law	½ unit
Solid Geometry	½ unit	Vocational subjects (not to exceed four units in all).	
Trigonometry	½ unit	Agriculture	3 units
		Household Arts	3 units
History and Economics		Manual training	3 units
History	3 units	Bookkeeping or bookkeeping and commercial arithmetic combined	2 units
Civics	1 unit		
Elementary economics	1 unit		
Sociology	½ unit		
		Shorthand and typewriting combined	2 units
Education	2 units		
Drawing		Music: — violin, organ or piano[4]	2 units
Free-hand drawing	1 unit		
Mechanical drawing	1 unit		

1A student who enters with three units of English must elect six hours of college English in addition to the minimum number of hours in that subject required for his degree.

2Not less than two units of one foreign language will be accepted for entrance unless enough additional work in that language is taken in college to complete a minimum of two units. (Six hours college work is regarded as equivalent to one entrance unit.)

3A group of two or three units in science may be made by combining one unit each of any of the following: physics, chemistry, biology, botany, zoology, geology.

4For conditions governing credit for music see Announcements of the School of Music.

REQUIREMENTS FOR DEGREES

BACCALAUREATE DEGREES.

Only one baccalaureate degree is regularly conferred in the College of Arts and Sciences, that of Bachelor of Arts.

The degree of Bachelor of Science is conferred only as a first degree upon candidates who are pursuing either the combined science and engineering course, the combined science and agricultural course, or the combined scientific and medical course. See page 60.

Amount of Work Required.

The "semester hour" is the standard for computing the amount of work required for graduation in the curricula leading to these degrees. The "hour" represents the amount of work done in one semester (eighteen weeks) in one recitation hour with two preparation hours a week. No student is permitted to register for less than fourteen hours or more than eighteen hours of work in any one semester or for more than thirty-four hours in any one year.

The baccalaureate degree in the College of Arts and Sciences is conferred upon any student who complies with the general regulations of the University concerning degrees as announced on page 39 of the University Catalogue, satisfies all entrance requirements, and secures credit for one hundred and twenty-eight semester hours selected in accordance with the following provisions.

The Major Subject.

At the beginning of the sophomore year the student must select as his major study one of the following subjects:

English	Spanish	Mathematics
Public Speaking	History	Botany
Greek	Political Science	Zoology
Latin	Economics	Entomology
German	Sociology	Geology
French	Physics	Education
Italian	Chemistry	Philosophy
	Home Economics	

The head of the department to which this major subject belongs becomes the student's class officer. The major requirement is 30 hours, which may be either 30 hours in the one major subject or 20 to 25 hours in that subject with 5 to 10 hours in another subject closely related. The class officer may designate the courses to be taken in the major and allied subjects and may require at least 25 hours in the one subject. Additional courses in the major subject or in the allied subject may of course be taken as elective if the student

so desires. The maximum amount of credit allowed in any one subject is 36 hours, except that when, in the judgment of the class officer, the quality of a student's work and his plans for his future occupation justify such action, the class officer may, subject to the approval of the committee on classification and grades, permit such student to take not more than 45 hours in one subject.

Special Requirements.

For Students Who Desire the Degree of A.B.

During his course each student must take courses in each of eight groups of subjects as shown below:

1.	English composition (English 1 and 2)	6 Hrs.
	English literature (English 26 and 27)	4 "
2.	One foreign language	20 "
3.	History and political science, or economics and sociology	8 "
4.	Physics, chemistry, or mathematics; any one	8 "
5.	Botany, zoology, geology or entomology; any one	8 "
6.	Education, philosophy, public speaking; any one	8 "
7.	Military science (when required)	4 "
8.	Electives; not less than	32 "

At least five hours must be taken in each subject offered as an elective, except that not more than eight hours of credit in isolated courses of less than five hours credit value each, elected with the approval of the class officer, may be offered.

Students who do not offer two units of language for entrance must do twenty-six hours of one language in college instead of twenty. Fewer than ten hours of one language will not be counted for credit unless the student has offered two units of the same language for entrance.

Sixteen hours in one foreign language and ten hours in a second language may be offered in lieu of twenty hours in one language.

For Students Who Desire to Take a Combined Course in Two Colleges in Six Years.

Students who desire to secure the A.B. degree and then take the degree of LL.B. may complete the requirements for both degrees in six years by following the program in the announcements of the College of Law.

Students who desire to secure the B.S. degree and then take a bachelor's degree in the college of Engineering may complete the work for both degrees in six years or less by following the curriculum as outlined in the Announcements of the College of Engineering. Those who desire to secure the B.S. and B.S.Agr. degrees in a similar time must follow the curriculum outlined in the Announcements of the College of Agriculture.

Students who desire to secure the B.S. degree with a view to

proceeding to the study of medicine and who announce this intention on entering the freshman class will be excused from the foregoing general requirements and may secure the degree of B.S. by taking sixty-four hours of work in the College of Arts and Sciences and the course in the School of Medicine. For detailed curriculum see Announcements of the School of Medicine.

Courses in Special Fields of Work.

Journalism. The work in journalism is at present organized as part of the department of English. Students who desire to devote special attention to this subject, because they desire either to make it the nucleus of a general education, or to include it as part of their preparation for business or industrial affairs, or to take up some phase of newspaper or editorial work as a career, should consult the head of the department of English and the instructor in charge of the courses in journalism in regard to a program of studies adapted to their needs. Such a program would ordinarily include, in addition to the work in journalism proper, other courses in English literature and composition, courses in modern history and economics and the usual requirements in science and foreign language. Students who desire to specialize in journalism should select English as their major subject at the beginning of the sophomore year.

Business Administration. The University does not as yet offer a special course in business administration. Students who are particularly interested in this field and who wish to prepare themselves for specialization in it should consult with the head of the department of economics in planning their program of studies. The freshmen work of such students should ordinarily include the courses of English and American economic history.

Public Health and Sanitation. (See page 175).

Elective Courses.

The remaining work necessary to make up the total of one hundred and twenty-eight hours required of candidates for the bachelor's degree, may be selected from any of the courses offered in the College of Arts and Sciences. Work not to exceed fifteen hours in the College of Law, the College of Agriculture, the College of Engineering or the School of Music may be included in the list of elective credits offered by students in the College of Arts and Sciences. The total number of hours elected from other colleges shall not, however, exceed twenty-four in all. For detailed statements of the courses open to such election in each college, see the announcements of that college.

Classification of Students.

To be classified as a freshman in the College of Arts and Sciences a student must have credit for at least fifteen units of entrance requirements; to be classified as a sophomore he must have fulfilled all entrance requirements and have credit for twenty-five hours of college work; as a junior, fifty-eight hours; as a senior, ninety-two hours.

GRADUATE DEGREES.

There are two advanced degrees conferred in the College of Arts and Sciences: Master of Arts and Master of Sciences. For the conditions upon which these degrees are granted see page 61 of the catalogue.

EXTENSION COURSES.

As a part of the University Extension Service the College of Arts and Sciences since the year 1916 has conducted at several centers in various parts of the State extension courses for which regular college credit has been given. The work given in the extension courses corresponds in every particular, as to class requirements and credit, with that given in similar courses on the campus. Similar extension courses will be provided in other parts of the State as the resources of the University will permit.

The giving of extension courses is subject to the following conditions: (1) Courses will not be organized at any place unless the demand is sufficient to justify it. (2) Courses offered by resident instructors will be given in Morgantown and in nearby places easy of access, generally on Friday afternoons and Saturdays. (3) Regular extension instructors will offer courses only in such places as can be reached from their headquarters.

COURSES OF INSTRUCTION.

In the following announcements each course described counts for the number of hours in parentheses after the name of the course. The semester during which the course is given, the hour, the name of the instructor, and classroom are usually stated at the end of the announcement of each course. A complete statement of these details is to be found in the Schedules of Courses published by each college at the beginning of each semester. For convenience it is customary to designate the courses of study by the name of the department and the number of the particular course. Thus the course in bacteriology is known as "Botany 41"; the course in plane trigonometry is known as "Mathematics 4"; the course in electrical measurements is known as "Physics 10"; etc. The abbreviations used are W., Woodburn Hall; S., Science Hall; M., Martin Hall; M. H., Mechanical Hall; C., Commencement Hall; O., Oglebay Hall; E., Experiment Station Building; L., Library; H., Horticulture Building; M. B., Medical Building.

Courses having a second number in parenthesis following the first are open to graduate students. Those having but one number above 100 are open only to graduates.

AGRICULTURAL EDUCATION.

35. Methods in Agricultural Extension. (2 Hrs.)
Second semester; T., Th., 11:00. Assistant Professor ALLEN, O.

For detailed announcements of this course see the announcements of the College of Agriculture.

AGRICULTURAL JOURNALISM.

12. Agricultural Journalism. (2 Hrs.)
First semester; M., F., 10:00. Mr. STOCKDALE, O.

For detailed announcement of this course see the announcements of the College of Agriculture.

AGRONOMY.

Agronomy 2 is included in the list of Agricultural subjects from which not to exceed 15 hours may be selected for credit in the College of Arts and Sciences. See announcements of the College of Agriculture.

ANIMAL HUSBANDRY.

Animal Husbandry 40, 42, 43, and 45 and Dairy Husbandry 21 are included in the list of Agricultural subjects from which not to exceed 15 hours may be selected for credit in the College of Arts and Sciences. See announcements of the College of Agriculture.

BOTANY.

Professor STRAUSBAUGH, Associate Professor SPANGLER, Mr. RHINE, Miss AMMONS, and Mr. BARCLAY.

NOTE: Courses 1 and 2 or their equivalent are prerequisite for all other courses in Botany except Bacteriology (Botany 41).

Courses for Undergraduates.

1. **General Botany.** (4 Hrs.) Two lecture periods and two three-hour laboratory periods each week.

First semester; T., Th., 8:00 or M. F., 9:00; T., Th., 2:00; M., F., 2:00; or W., 2:00 and S., 9:00. Professor STRAUSBAUGH, Miss AMMONS and Mr. BARCLAY. 313 O. H.

2. **General Botany.** (4 Hrs.) A continuation of Course 1.

Second semester; lecture periods and laboratory sections as in Course 1. Professor STRAUSBAUGH, Miss AMMONS and Mr. BARCLAY. 313 O. H.

4. **Systematic Botany.** (3 Hrs.)

Second semester; M., F., 10:00; laboratory and field hours to be arranged. Professor STRAUSBAUGH. 311 O. H.

6. **Pharmaceutical Botany.** (4 Hrs.) For pharmacy students. Two lecture periods and two three-hour laboratory periods each week.

Second semester; M., F., 10:00; T., Th,. 9:00. Mr. RHINE. 313 O. H.

11. (111) **Morphology and Phylogeny.** (4 Hrs.) (22.)

First semester; lectures, T., Th., 9:00; laboratory, M., F., 2:00. Associate Professor SPANGLER. 313 O. H.

12. (112) **Morphology and Phylogeny.** (4 Hrs.) A continuation of Course II. (23.)

Second semester; lecture and laboratory periods as in Course II. Associate Professor SPANGLER. 313 O. H.

14. (114) **Microtechnique and Plant Histology.** (2 Hrs.) (35.)

Second semester; W., 2:00 and S., 8:00. Professor STRAUSBAUGH and Associate Professor SPANGLER. 307 O. H.

21. **Plant Physiology.** (5 Hrs.) Three lecture periods and two three-hour laboratory periods each week. (12.)

First semester; M., W., F., 11:00; M., W., 2:00. Mr. RHINE. 313 O. H.

22. (122) **Advanced Plant Physiology.** (5 Hrs.) Three lecture periods and two three-hour laboratory periods each week. Prerequisites: Botany 21; also courses in General Physics and Organic Chemistry. (16.)

Second semester; M., W., F., 11:00; M., W., 2:00. Mr. RHINE. 313 O. H.

31. **Plant Ecology.** (4 Hrs.) (32.)

First semester; T., Th., 9:00; T., Th., 2:00. Professor STRAUSBAUGH. 313 O. H.

32. (132) **Forest Ecology.** (4 Hrs.) Prerequisite: Botany 21 or Botany 31. Laboratory work mainly field study. (33.)

Second semester; T., Th., 9:00; laboratory hours to be arranged. Professor STRAUSBAUGH. 313 O. H.

34. (134). **Experimental Ecology.** (4 Hrs.)

Second semester; T., Th., 10:00; T., Th., 2:00. Professor STRAUSBAUGH. 313 O. H.

41. **Bateriology.** (3 Hrs.) Two lecture periods and one three-hour laboratory period each week. (10).

First and second semesters; lectures T., Th., 11:00; laboratory T., or W., or Th., 2:00. Associate Professor SPANGLER, 313 O. H.

Courses open to Graduates.

51, (151). **History of Botany.** (2 Hrs.)

First semester; M., F., 10:00. Professor STRAUSBAUGH, 313 O. H.

53, (153). **Botany Seminar.** (1 Hr.) For juniors and seniors who have chosen botany as their major subject. (36).

First semester; M., 4:00. Professor STRAUSBAUGH and staff, 313 O. H.

54, (154). **Botany Seminar.** (1 Hr.) Prerequisite: Botany 53. (37).

Second semester; M., 4:00. Professor STRAUSBAUGH and staff, 313 O. H.

165. **Morphological Studies.** (4 Hrs.)

First semester ;hours to be arranged.

Professor STRAUSBAUGH and Associate Professor SPANGLER, 309 O. H.

166. **Morphological Studies.** (4 Hrs.)

Second semester; hours to be arranged.

Professor STRAUSBAUGH and Associate Professor SPANGLER, 309 O. H.

171. Problems in Plant Physiology. (1-5 Hrs.)
First semester; hours to be arranged. Professor Strausbaugh and Mr. Rhine, 307 O. H.

172. Problems in Plant Physiology. (1-5 Hrs.)
Second semester; hours to be arranged. Professor Strausbaugh and Mr. Rhine, 307 O. H.

173. Microchemistry of Plant Tissues. (4 Hrs.)
First semester; hours to be arranged. Professor Strausbaugh and Mr. Rhine, 307 O. H.

181. Problems in Plant Ecology. (4 Hrs.)
First semester; hours to be arranged. Professor Strausbaugh, 313 O. H.

182. Problems in Plant Ecology. (4 Hrs.)
Second semester; hours to be arranged. Professor Strausbaugh, 313 O. H.

191. Research. (1-5 Hrs.)
First semester; hours to be arranged. Botany staff, 307 O. H.

192. Research. (1-5 Hrs.)
Second semester; hours to be arranged. Botany Staff, 307 O. H.

CHEMICAL ENGINEERING.

Courses 171 and 172 in metallurgy of iron and steel in the Department of Engineering are included in the list of Engineering subjects from which not to exceed 15 hours may be selected for credit in the College of Arts and Sciences. See announcements of the College of Engineering.

CHEMISTRY.

Professors Clark, Jacobson, and Morris; Associate Professors Hubert Hill, Davies, and Smithey; Assistant Professors Deatrick and Dustman; Mr. Turner, Mr. Swan, Mr. Garland, Mr. Collett.

NOTE: Courses 1 and 2 are prerequisite to all courses in chemistry. Courses 5, 6, 7, 33, and 60 are required of students whose major is chemistry. Exceptions are sometimes made for students who expect subsequently to study medicine.

NOTE: For courses in physiological and pharmaceutical chemistry see the announcements of the School of Medicine.

1. Inorganic Chemistry. (4 Hrs.) Three recitation periods and two two-hour laboratory periods weekly.
Section A, for students who offer chemistry for entrance credit.

Section B, for students who do not offer chemistry for entrance credit.

First and second semesters; hours as announced in the semester schedule. Professor CLARK and staff.

2. **Inorganic Chemistry.** (4 Hrs.) Sections and recitation hours arranged as in Course 1.

Professor CLARK and staff.

Second semester; hours as announced in semester schedule. Professor CLARK and staff.

3, (4). **Quantitative Analysis.** (2 Hrs.) Primarily for engineering students. Two laboratory periods weekly.

First semester; hours as shown on semester schedule. Associate Professor DAVIES, 1 S.

5. **Qualitative Analysis and Inorganic Preparations.** (4 Hrs.) Required of students whose major is chemistry, of students in chemical engineering, and of candidates for the degree of Bachelor of Science in Public Health. Three three-hour laboratory periods weekly with recitations M. and W. and assignments in addition.

First semester; M., W., F., 2:00. Associate Professor HUBERT HILL, 37 S.

6. **Quantitative Analysis.** (2 to 5 Hrs.) Required of students whose major is chemistry, and of students in chemical and mining engineering, and of candidates for the degree of Bachelor of Science in Public Health. Students registered for the coal mining option will take only four hours' credit. Prerequisite: Course 5. Two to five three-hour laboratory periods weekly.

Second semester; 2:00. Associate Professor HUBERT HILL, 37 S.

7, (107). **Quantitative Analysis.** (2 to 4 Hrs.) A continuation of Course 6. Required of students whose major is chemistry and of students in chemical engineering. Prerequisites: Physics 1, 2, 3, and 4; Mathematics 25 and 26. Four three-hour laboratory periods weekly. (7).

First semester; M., T., Th., F., 2:00. Professor JACOBSON, 35 S.

8, (108). **Quantitative Analysis.** (2 to 5 Hrs.) An advanced course for major students. Prerequisite: course 7. Five three-hour laboratory periods weekly. (8).

Second semester; 2:00. Professor JACOBSON, 35 S.

10. **Quantitative Analysis.** (2 Hrs.) Prerequisite: course 2. A general course for agricultural students. (35).

Second semester; M., T., Th., F., 2:00-5:00.

11, (111). Synthetic Inorganic Chemistry. (3 Hrs.) For juniors, seniors, and graduates. Prerequisite: course 7. One lecture and two three-hour laboratory periods weekly.

First semester; hours to be arranged. Professor Morris.

13, (113). Quantitative Analysis. (3 Hrs.) Open to seniors and graduate students. Prerequisites: courses 7 and 20.

Second semester; hours to be arranged. Professor Morris, 35 S.

14, (114). Organic Qualitative Analysis. (2 Hrs.) Open to seniors and graduate students. Prerequisite: course 33. Two three-hour laboratory periods weekly.

Second semester; M., F., 2:00-5:00. Professor Jacobson, 25 S.

15. Quantitative Analysis. (3 Hrs.) For students in premedical courses. (18).

First semester; M., F., 9:00-12:00; W., 9:00-10:00, 11:00-12:00, or T., Th., 2:00-5:00; S., 9:00-12:00. Associate Professor Hill and Mr. Swan.

16, (116). Organic Quantitative Analysis. (2 Hrs.) Open to seniors and graduate students. Prerequisite or parallel course: Chemistry 20. Two three-hour laboratory periods weekly. (23).

Second semester; W., 2:00-5:00; S., 9:00-12:00. Associate Professor Smithey and Mr. Garland, 31 S.

18. Dairy Chemistry. (3 Hrs.) For students in the College of Agriculture. Prerequisite: course 2. (36).

Second semester; T., Th., 2:00-5:00; lecture hour to be arranged. Mr. Dustman, 31 S.

19, 20. Chemical Calculations. (1 Hr.) Recommended for all students who plan to complete more than one year of chemistry.

Both semesters; W., 8:00. Mr. Swan and Mr. Collett.

22, (122). Food Analysis. (3 Hrs.) Primarily for agriculture and home economics students. One lecture and two three-hour laboratory periods weekly.

Second semester; hours to be arranged.

Organic Chemistry.

30. Organic Chemistry. A cultural introductory course for students not majoring in chemistry. Admission; permission of instructor. Prerequisite: Chemistry 1. (3).

Second semester; T., Th., 9:00. Professor Jacobson, 20 S.

31. Organic Chemistry. (4 Hrs.) For students in agriculture and home economics. Three recitations and one three-hour laboratory period weekly. Prerequisite: Chemistry 2. (16).

First semester; T., Th., S., 9:00; W., or F., 2:00. Mr. DUSTMAN, 20 S.

33, (133). Organic Chemistry. (5 Hrs.) Required of students with major in chemistry, of students in chemical and mining engineering, and of candidates for the degree of Bachelor of Science in Public Health. The course may count also as graduate work for students from other colleges who have done a proportionate amount of work in other branches of chemistry. Three lectures and two three-hour laboratory periods weekly. Prerequisite: Course 7; for engineering students, Course 6. (9).

First semester; M., W., F., 11:00; T., Th., 2:00. Professor CLARK, Associate Professor SMITHEY, and Mr. GARLAND, 16 M. H. and 33 S.

36. Organic Chemistry. (6 Hrs.) Required of premedical and pharmacy students. (12.)

Second semester; M., W., F., S., 11:00; T., Th., 9:00-12:00, 2:00-5:00. Associate Professor SMITHEY and Mr. GARLAND, 16 M. H. and 33 S.

37. Qualitative and Quantitative Analysis. (5 Hrs.) For pharmacy students. (33.)

First semester; M., T., Th., F., 9:00-12:00; W., 9:00-10:00, 11:00-12:00. Associate Professor HILL, 37 S.

38, (138). Organic Chemistry. (5 Hrs.) Open to seniors and graduate students. Two lectures and three three-hour laboratory periods weekly. Prerequisite: Course 33. (20.)

Second semester; T., Th., 11:00; M., W., F., 2:00-5:00. Professor CLARK, Associate Professor SMITHEY, and Mr. GARLAND, 11 S. and 33 S.

39, (139). Dyes and Dye Intermediates. (2 or 4 Hrs.) Open to graduate students; seniors only by consent. Prerequisite: Course 38. (24.)

First semester; T., Th., 9:00; laboratory T., Th., 2:00-5:00. Professor CLARK, 11 S.

40, (140). Dyes and Dye Intermediates. (2 or 4 Hrs.) Open only to graduate students. Prerequisite: Course 39. (25.)

Second semester; 9:00; laboratory, T., Th., 2:00-5:00. Professor CLARK, 11 S.

Industrial Chemistry.

51, (151). Industrial Chemistry. (2 Hrs.) For senior chemistry majors and graduate students. (19).

First semester; M., F., 9:00. Professor Clark, 11 S.

(Eng'g. 182.) Industrial Chemistry Laboratory. (2 Hrs.) For senior chemistry majors and graduate students.

First semester; T., Th., 9:00-12:00. Professor Hodge and Mr. Kohler, M. H.

52, (152). Industrial Chemistry. (2 or 4 Hrs.) For senior chemistry majors and graduate students. (22.)

Second semester; W., F., 9:00. Professor Clark, 11 S.

Physical Chemistry.

60, (160). Physical Chemistry. (5 Hrs.) Required of chemistry and chemical engineering students. Open to graduate students. Prerequisites: Chemistry 33 and Physics 4. Three lecture and two three-hour laboratory periods weekly. (21.)

Second semester; M., W., F., 9:00; T., Th., 2:00-5:00. Associate Professor Davies, 1 S.

62, (162). The Chemistry of Colloids. (2 or 4 Hrs.) Open to juniors, seniors, and graduate students. Specially recommended to medical students. Two lecture and two three-hour laboratory periods. (26.)

Second semester; T., Th., 8:00; M., F., 2:00-5:00. Associate Professor Davies, 1 S.

63. Physical Chemistry. (2 Hrs.) Required of pre-medical students and of candidates for the degree of Bachelor of Science in Public Health. Two lectures or recitations weekly. (32.)

First semester; T., Th., 11:00. Associate Professor Davies, 12 S.

65. Physical Chemistry. (1 Hr.) Elective for pre-medical students. Arranged to accompany Chemistry 63. (37.)

First semester; W. or F., 2:00-4:00; Associate Professor Davies, 1 S.

74, (174). History of Chemistry. (2 Hrs.) For seniors and graduates. Juniors may be admitted with the consent of the instructor. (31.)

Second semester; T., Th., 9:00. Associate Professor Hill.

180. Electrochemistry. (3 Hrs.) Electrolytic dispositions of metals; application of oxidation and reduction cells as applied to syn-

theses. One lecture and two three-hour laboratory periods. For graduate students. Prerequisites: Chemistry 38, 60, 7 and Physics 3.

Second semester; hours as announced in semester schedule. Professor ————, 35 S.

182. **Qualitative Analysis.** (2 Hrs.) An advanced course, including the rare elements.

Second semester; T., Th., 9:00-12:00. Associate Professor HILL, 37 S.

183. **Physical Chemistry.** (5 Hrs.) An elective course for graduate students. Prerequisite: Chemistry 60. (34.)

First semester; hours to be arranged. Associate Professor DAVIES, 1 S.

Research.

185, 187. **Research.** (Credits as arranged.) (27.)

First semester; hours as arranged. Chemistry Staff.

186, 188. **Research.** (Credits as arranged.) (28.)

Second semester; hours to be arranged. Chemistry Staff.

189, 191. **Journal Meeting and Seminar.** (1 Hr.) Primarily for graduate students. Seniors only by consent. (29.)

First semester; M., 8:00. Professor CLARK and staff, 11 S.

190, 192. **Journal Meeting and Seminar.** (1 Hr.) Primarily for graduate students. Seniors only by consent. (30.)

Second semester; M., 8:00. Professor CLARK and staff.

Special Work. Assignments for advanced and graduate students, not covered by courses already outlined. Credits and schedules to be arranged.

NOTE—A breakage deposit is required of all students taking laboratory courses.

ECONOMICS, BUSINESS ADMINISTRATION, AND SOCIOLOGY

Professors Vickers, Rufener, Harris, Assistant Professors King, McGarry, Saposnekow, Mr. Fields, ———— and ————

Economics 1 and 2 will be helpful to students in all other courses in the department, and are specified prerequisites for entrance to most of these courses. Economics 5 and 6 may be taken by freshmen, and they have no prerequisites. With the exception of these two courses, Economics 1 and 2 should be taken first by all students who contemplate further work in economics and sociology. Courses in sociology should be deferred till the sophomore year. Sociology 1 is a prerequisite for all other courses in sociology.

Any student who elects economics or sociology as a major subject must take at least 25 hours of work in this department, at least 6 hours in history and politics, and should take at least 4 hours in either zoology or botany in order to qualify as a candidate for a degree. In anticipation of such election, freshmen are urged as far as practicable to meet requirements in English, foreign language and science groups during their freshman year. Economics 1 and 2 may with advantage to the student be deferred until the second, or sophomore year.

Economics.

1. **Principles of Economics.** (3 Hrs.) For sophomores; freshmen by consent. Designed to be followed by Economics 2.

First semester; sections, M., W., F., 8:00; M., W., F., 9:00; T., Th., S., 9:00; M., W., F., 11:00; M., W., F., 3:00. Professor Vickers, Professor Rufener, Mr. Fields.

Second semester; M., W., F., ————————————.

2. **Principles of Economics.** (3 Hrs.) A continuation of preceding course. Prerequisite: Economics 1.

Second semester; sections, M., W., F., 8:00; M., W., F., 9:00; T., Th., S., 9:00; M., W., F., 11:00; M., W., F., 3:00. Professor Vickers, Professor Rufener, Mr. Fields.

First semester; M., W., F. ————————————.

3. **Principles of Economics.** (3 Hrs.) For students in the College of Engineering. (115.)

First semester; first section, T., Th., S., 8:00; second section, M., M., F., 11:00; ————, ———.

5. **Commercial Geography.** (3 Hrs.) For freshmen and sophomores. (24.)

First semester; M., W., F., 8:00. Mr. Fields.

6. **Essentials of Economic Organization.** (3 Hrs.) Primarily for freshmen. A student having already credit for Economics 1 may not receive credit for this course.

Second semester; M., W., F., 9:00. Mr. FIELDS.

10. **Money, Credit and Banking.** (2 Hrs.) For students in the College of Engineering. Prerequisite: Economics 3. (105.)

Second semester; sections, T., Th., 8:00; T., Th., 11:00; Professor RUFENER, 27 W.

11, (111). **Money, Credit and Banking.** (3 Hrs.) For juniors and seniors; graduates as a minor. Prerequisites: Economics 1 and 2. (5.)

First semester; M., W., F., 9:00. Professor VICKERS, 27 W.

12, (112). **Public Finance.** (4 Hrs.) For juniors and seniors; graduates as a minor. Prerequisites: Economics 1 and 2. (6.)

Second semester; M., T., Th., F., 10:00. Professor VICKERS, 27 W.

13, (113). **Business Organization.** (3 Hrs.) For juniors and seniors. Prerequisite: Economics 1 and 2. (7).

First semester; T., Th., S., 9:00. Professor RUFENER, 42 W.

14, (114). **Business Finance.** (2 Hrs.) For juniors and seniors. Prerequisite: Economics 11. (20.)

Second semester; T., Th., 9:00. Professor RUFENER, 27 W.

15, (115). **Investment and Speculation.** (2 Hrs.) For juniors and seniors. Prerequisites: Economics 11, 13, and 14. (21.)

First semester; T., Th., 11:00. Professor RUFENER, 42 W.

31. **Statistics.** (3 Hrs.) For juniors and seniors. Prerequisites: Economics 1 and 2. (18.)

First semester; T., Th., 11:00; two-hour laboratory period to be arranged. ——— ——— ——— ———.

33. **Insurance.** (2 Hrs.) For juniors and seniors. (22.)

First semester; M., F., 10:00. ——— ——— ——— ———.

36, (136). **Business Forecasting.** (2 Hrs.) For juniors and seniors. Prerequisites: Economics 11, 13, and 31. (19.)

Second semester; T., Th., 2:00. Professor RUFENER, 42 W

40, (140). **Labor Problems.** (3 Hrs.) For juniors and seniors; graduates by consent. Prerequisites: Economics 1 and 2. (11.)

Second semester; M., W., F., 11:00. Professor VICKERS, 42 W.

41, (141). **Railroad Transportation.** (3 Hrs.) For juniors and seniors. Prerequisites: Economics 1 and 2. (7.)

First semester; M., W., F., 8:00. Professor Rufener, 44 W.

45, (145). **International Trade Policies.** (3 Hrs.) For juniors and seniors. Prerequisites: Economics 1 and 2. (10).

First semester; M., W., F., 11:00. Mr. Fields.

46, (146). **Foreign Trade Methods.** (3 Hrs.) Prerequisite: Economics 45.

Second semester; T., Th., S., 8:00. Mr. Fields.

47, (147). **Economic Development,** with special reference to the U. S. (3 Hrs.) For juniors and seniors. Prerequisite: Economics 1 and 2.

First semester, T., Th., S., 10:00. Mr. Fields.

51, (151). **History of Economic Doctrines.** (2 Hrs.) For juniors and seniors; graduates by consent. Prerequisites: Economics 1 and 2. (3.)

First semester; T., Th., 9:00. Professor Vickers, 28 W.

52, (152). **Relations of Government to Economic Enterprise.** (2 Hrs.) For seniors and graduates, juniors by consent. Prerequisite: Consent of instructor.

Second semester; T., Th., 9:00. Professor Vickers, 42 W.

54, (154). **Economic Principles in Practice.** (2 Hrs.) For seniors and graduates. A problem course conducted by the case method. Prerequiistes: Economics 11 and 13 and two other advanced courses in ecnomics.

Second semester; M., F., 10:00. Professor Rufener, 28 W.

55, (155). **Distribution of Wealth.** (2 Hrs.) For seniors and graduates. Prerequisites: Economics 51 and at least two other advanced courses. (14).

First semester; T., Th., 8:00. Professor Vickers, 28 W.

56, (156). **Seminar.** Special problems in Economics. For seniors and graduates. Prerequisites: At least three advanced courses in Economics. Credit 2 to 4 hours.

Second semester; T., and Th., 9:00. Professor Vickers, 28 W.

Business Administration.

1. **Principles of Accounting.** (3 Hrs.) For freshmen and sophomores. (25).

First semester; T., Th., 9:00; laboratory, W., 2:00-5:00. Assistant Professor KING. 1 W.

Second semester; T., Th., 11:00; laboratory, T., 2:00-5:00. Assistant Professor KING. 1 W.

2. **Principles of Accounting.** (3 Hrs.) For freshmen and sophomores. Continuation of Business 1. (26).

Second semester; T., Th., 9:00; laboratory, T., 2:00-5:00. Assistant Professor KING. 1. W.

3. **Industrial Accounting.** (3 Hrs.) For juniors and seniors. Prerequisite: Business 1. (27).

First semester; T., Th., 11:00; laboratory, M., 2:00-5:00. Assistant Professor KING. 1 W.

4. **Cost Accounting.** (2 Hrs.) For seniors in the College of Engineering. (125).

Second semester; first section, M., 10:00; laboratory, W., 2:00-5:00; second section, F., 10:00; laboratory, M., 2:00-5:00. Assistant Professor KING. 1 W.

5. **Advanced Accounting.** (3 Hrs.) Designed to follow Business 2. (28).

First semester; T., Th., 10:00; laboratory, M., 2:00-5:00. Assistant Professor KING. 1 W.

6. **Accounting Problems.** (3 Hrs.) Designed to follow Business 5. (29).

Second semester; T., Th., 10:00; laboratory, Th., 2:00-5:00. Assistant Professor KING. 1 W.

7. **Auditing.** (3 Hrs.) For juniors and seniors. Prerequisite: Business 5.

Second semester; M., F., 9:00; laboratory, Th., 2:00-5:00. Assistant Professor KING. 1 W.

21. **Marketing Methods.** (3 Hrs.) For juniors and seniors. Prerequisite: Economics 1 and 2. (40).

First semester; M., W., F., 9:00. Assistant Professor MCGARRY. 44 W.

22. **Marketing Problems.** (3 Hrs.) For juniors and seniors. Prerequisite: Business 21. (41).

Second semester; M., W., F., 9:00. Assistant Professor McGarry. 44 W.

25. **Advertising.** (3 Hrs.) For juniors and seniors. Prerequisite: Business 22. (44).

First semester; T, Th., 9:00; a third hour to be arranged. Assistant Professor McGarry. 44 W.

26. **Retail Store Management.** (3 Hrs.) For juniors and seniors. Prerequisite: Business 22. (42).

Second semester; T., Th., S., 8:00. Assistant Professor McGarry. 42 W.

31. **Business Management.** (3 Hrs.) For juniors and seniors. Prerequisites: Economics 1, 2, and 13. (52).

First semester; M., W., F., 11:00. Assistant Professar McGarry.

32. **Industrial Management.** (3 Hrs.) For juniors and seniors. Prerequisite: Business 31. (Omitted 1925-26). (53).

Second semester; M., W., F., 8:00. Assistant Professor McGarry. 44 W.

41. **Business Law.** (3 Hrs.) For juniors and seniors. Not open to students preparing for a law degree. Prerequisites: Economics 1 and 21. (46).

First semester; T., Th., 11:00; and F., 1:00. Assistant Professor McGarry. 42 W.

42. **Business Law.** (3 Hrs.) For juniors and seniors. Not open to students preparing for a law degree. Prerequisite: Business 41. (47).

Second semester; T., Th., 11:00; and F., 1:00. Assistant Professor McGarry. 42 W.

46. **Business Problems.** (3 Hrs.) For seniors. Prerequisites: Economics 13 and Business 22. (48).

Second semester; M., W., F., 11:00. Assistant Professor McGarry.

Sociology.

1. **Principles of Sociology.** (3 Hrs.) For sophomores and juniors.

First semester; sections, M., W., F., 8:00; M., W., F., 11:00;

M., ,W., F., 2:00; T., Th., S., 10:00. Professor HARRIS and Assistant Professor SAPOSNEKOW.

Second semester; M., W., F., 2:00. Assistant Professor SAPOSNEKOW.

2. **The Social Settlement in the United States and England.** (3 Hrs.) For sophomores and juniors. Prerequisite: Sociology 1. (11).

Second semester; M., W., F., 11:00. Assistant Professor SAPOSNEKOW.

4. **Rural Sociology.** (3 Hrs.) For sophomores and juniors. Prerequisite: Sociology 1. (10).

Second semester; M., W., F., 2:00. Professor HARRIS.

6. **Scientific Philanthropy.** (2 Hrs.) For sophomores and juniors. Prerequisite: Sociology 1. (13).

Second semester; T., Th., 10:00. Assistant Professor SAPOSNEKOW.

8. **Problems of Child Welfare.** (2 Hrs.) For sophomores and juniors. Prerequisite: Sociology 1. (8).

Second semester; T., Th., 9:00. Professor HARRIS.

9. **Organized Play and Recreation.** (2 Hrs.) For juniors and seniors. Prerequisite: Five hours of sociology. (14).

First semester; M., F., 10:00. Assistant Professor SAPOSNEKOW.

10. **The Family.** (3 Hrs.) For juniors and seniors. Prerequisite: Sociology 1. (3).

Second semester; M., W., F., 9:00. Professor HARRIS.

31, (131). **Race Problems.** (2 Hrs.) For juniors and seniors; graduates by consent. Prerequisite: Sociology 1. (9).

First semester; T., Th., 9:00. Professor HARRIS.

33, (133). **Crime and Punishment.** (2 Hrs.) For juniors and seniors; graduates by consent. Prerequisite: Sociology 1. (12).

First semester; T., Th., 10:00. Assistant Professor SAPOSNEKOW.

41, (141). **Social Organization.** (3 Hrs.) For seniors and graduates; juniors by consent. Prerequisites: Sociology 1 and 2. (2).

First semester; M., W., F., 8:00. Professor HARRIS.

42, (142). **Theories of Social Progress.** (3 Hrs.) For seniors and graduates; juniors by consent. Prerequisites: Sociology 1 and 2. (4).

Second semester; M., W., F., 8:00. Professor HARRIS.

44, (144). **Social Investigation.** (3 Hrs.) For seniors and graduates; juniors by consent. Prerequisites: eight hours of sociology and three hours of economics. (7).

Second semester; hours to be arranged. Professor Harris.

46, (146). **History of Social Thought.** (2 Hrs.) For seniors and graduates. Prerequisites: Eight hours of sociology and six hours of economics. (15).

Second semester; M., F., 10:00. Assistant Professor Saposnekow.

47, (147). **Seminar.** (1 Hr.) For seniors and graduates. A critical study of the current literature of sociology. Prerequisites: Nine hours of sociology and three hours of economics. (16).

First semester; Th., 4:00. Professor Harris.

48, (148). **Seminar.** (1 Hr.) For seniors and graduates. Continuation of Course 47. Prerequisite: Sociology 47.

Second semester; Th., 4:00. Professor Harris.

EDUCATION

Professors Deahl, Cavins, L. B. Hill, Associate Professors Humphreys, Pollock, Roberts and Assistant Professor Richmond.

The courses offered in this department aim to contribute to the educational influence and to the professional efficiency of the schools of the state in the following ways: (1) to interest those students who study the science of education as a part of their general education. (2) To afford students who wish to teach for a time after graduation the means of professional training commensurate with their academic training. (3) To furnish appropriate professional education to students, and to any experienced teachers of suitable age and attainments, who may desire to fit themselves to be teachers, principals, or superintendents of schools.

Students who take education as their major and who expect to do administrative and supervisory school work should take college courses representing a wide range of subjects taught in the public schools.

Those who are preparing to teach academic subjects should fit themselves to give instruction in as many as three subjects.

All students whose major is education should so plan their work that the afternoons in their senior year may be open for practice teaching, or for supervisory work, or for experimental work in education.

NOTE—Courses in Education are open only to juniors and seniors and graduate students, except that Education 1 and 4 are open to freshmen and sophomores.

NOTE—For other announcements of the Department of Education see catalogue, page 49.

1. Principles of Learning and Studying. (3 Hrs.) Open to freshmen and sophomores. (17).

First semester; M., F., 10:00; third hour to be arranged. Professor HILL, 17 W., and Associate Professor HUMPHREYS, 16 W.

4. Educational Psychology. (3 Hrs.) Open to freshmen and sophomores. (12).

Second semester; M., F., 10:00; third hour to be arranged. Professor DEAHL, 18 W., and Associate Professor HUMPHREYS, 17 W.

7. Philosophy of Education. (3 Hrs.) Open to juniors and seniors. (4).

First semester; M., W., F., 11:00. Professor DEAHL. 18 W.

10. Educational Sociology. (3 Hrs.) Open to juniors and seniors. (5).

Second semester; M., W., F., 11:00. Professor DEAHL, 18 W.

13. Educational Tests and Measurements. (2 Hrs.) Open to juniors and seniors. (30).

First semester; M., W., F., 10:00. Professor CAVINS.

16. History of Education. (2 Hrs.) Open to juniors and seniors. (2).

Second semester; T., Th., 8:00. Assistant Professor HUMPHREYS, 17 W.

19. High School and Secondary Education. (3 Hrs.) Open to juniors and seniors. (14).

First semester; M., W., F., 11:00. Professor ROBERTS, 16 W.

22. The Junior High School. (2 Hrs.) Open to juniors and seniors. (32).

First semester; T., Th., hours to be arranged. Professor ROBERTS.

25, (125). Educational Psychology. (3 Hrs.) Open to juniors seniors and graduate students. (23).

First semester; M., W., F., 9:00. Professor HILL, 17 W.

27, (127). Experimental Education. (3 Hrs.) Open to juniors, seniors and graduate students.

First semester; M., W., F., 9:00. Professor CAVINS, 16 W.

30, (130). Statistical Methods Applied to Education. (3 Hrs.) Open to juniors, seniors and graduate students. (26).

Second semester; M., W., F., 9:00. Professor CAVINS, 16 W.

32, (132). Tests and Measurements of General Intelligence. (2 to 4 Hrs.) Open to juniors, seniors and graduate students. (20).

Second semester; T., Th., 4:00. Professor DEAHL, 18 W.

34, (134). Problems in Secondary Education. (2 Hrs.) Open to juniors, seniors and graduate students. (28).

Second semester; T., Th., 8:00. Professor ROBERTS.

37, (137). Secondary School Program of Studies. (3 Hrs.) Open to juniors, seniors and graduate students. (44).

Semester and hours to be arranged. Professor ROBERTS.

41, (141). Teaching of English in the Secondary Schools. (2 Hrs.) Open to juniors, seniors and graduate students.

Second semester; T., Th., 9:00. Assistant Professor ————.

44, (144). Principles of Teaching. (3 Hrs.) Open to juniors, seniors and graduate students. (10).

First semester; sections, M., W., F., 8:00 and 9:00.

Second semester; sections, M., W., F., 8:00 and 11:00. Associate Professors HUMPHREYS and POLLOCK, 18 W. and 17 W.

50, (150). Seminar in Directed Teaching. (1-3 Hrs.) Open to seniors and graduate students. (24).

First or second semester; hours to be arranged. Staff.

48, (148). Directed Teaching. (3 Hrs.) Open to seniors and graduate students. (22).

First and second semesters; T., Th., 11:00. Staff; 2:00 to 4:00.

55, (155). Supervision of Learning and Teaching. (3 Hrs.) Open to seniors and graduates. (11).

First semester; M., W., F., 9:00. Professor DEAHL, 18 W.

60, (160). Seminar in Supervision of Instruction. (3 Hrs.) Open to juniors, seniors and graduate students. (38).

Second semester; M., W., F., 9:00. Professor DEAHL, 18 W.

63, (163). School Administration and Supervision. (2 Hrs.) Open to seniors and graduate students. (6).

First semester; T., Th., 2:00. Professor DEAHL, 18 W.

64, (164). **School Administration and Supervision.** (2 Hrs.) Open to seniors and graduates. (7).
Second semester; T., Th., 4:00. Professor ROBERTS, 16 W.

68, (168). **Supervision of Rural Schools.** (2 or 3 Hrs.) Open to juniors, seniors and graduate students. (15).
Second semester; T., Th., 2:00. Professor HILL, 17 W.

70, (170). **Seminar in Educational Psychology.** (2 or 3 Hrs.) Open to juniors, seniors and graduate students. (41).
Second semester; hours to be arranged. Professor CAVINS.

74, (174). **Psychology of Reading.** (2 Hrs.) Open to juniors, seniors and graduate students. (43).
Second semester; hours to be arranged. Professor CAVINS.

76, (176). **Seminar in Educational Sociology.** (3 Hrs.) Open to juniors, seniors and graduate students. (39).
Second semester; T., Th., 2:00. Professor DEAHL, 18 W.

77, (177). **Mental and Physical Measures and Tests.** (2 to 4 Hrs.) Open to juniors, seniors and graduate students. (42).
First semester; T., Th., 4:00. Professor DEAHL, 18 W.

78, (178). **Construction and Use of Standard Tests.** (2 Hrs.) Open to juniors, seniors and graduate students. (31).
Second semester; T., Th., 10:00. Professor CAVINS, 16 W.

82, (182). **History of Education.** (2 Hrs.) Open to seniors and graduate students. (1).
Second semester; T., Th., 8:00. Assistant Professor HUMPHREYS, 17 W.

83, (183). **Seminar in Domestic and Foreign School Systems.** (2 Hrs.) Open to seniors and graduates. (8 and 9).
Second semester; T., Th., 11:00. Professor HILL, 17 W.

86, (186). **Seminar in Normal School Problems.** (2 Hrs.) Open to seniors and graduate students. (25).
Second semester; hours to be arranged. Professor HILL, 17 W.

88, (188). **Public School Programs of Studies.** (3 Hrs.) Open to seniors and graduate students. (13).
Second semester; M., W., F., 9:00. Professor ————.

91, (191). **School Curricula. Seminar.** (2-4 Hrs.) Open to seniors and graduate students. (45).
First and second semesters; hours to be arranged. Professor HILL, 18 W.

95, (195). Educational Surveys. (2 Hrs.) Open to seniors and graduates.

First semester; T., Th., 9:00. Professor Cavins.

ELECTRICAL ENGINEERING

Courses 50, 56, 66, 560 and 600 in Electrical Engineering are included in the list of Engineering subjects from which not to exceed 15 hours may be selected for credit in the College of Arts and Sciences. See announcements of the College of Engineering.

ENGLISH

Professors Armstrong, Cox, Barbe, and Johnson, Associate Professor Reed, Assistant Professor Farris, Mrs. Reed, Miss Lytle, Miss Sayre, Mr. Chappell, Mr. Molitor, and Mrs. Pettigrew.

NOTE: All advanced courses in the English department must be preceded by freshman English, courses 1, 2, 26, and 27, unless specific exceptions are stated in the announcements. Students from colleges that do not require English 26 and 27 will be admitted to certain advanced courses in composition on the completion of English 1 and 2.

Courses for Freshmen.

1. Composition and Rhetoric. (3 Hrs.) Primarily for freshmen. Required of all candidates for the bachelor's degree in all the colleges.

First semester; hours as announced in the semester schedule; Professor Johnson and staff.

Second semester; hours as announced in the semester schedule; Professor Johnson and staff.

2. Composition and Rhetoric. (3 Hrs.) Primarily for freshmen. Required of all candidates for the bachelor's degree in all the colleges. A continuation of Course 1. Prerequisite: English 1.

Second semester; hours as announced in the semester schedule; Professor Johnson and staff.

First semester; hours as announced in the semester schedule; Professor Johnson and staff.

NOTE: Students will not be continued in English 1 or 2 whose work during the first three weeks shows marked deficiency in spelling, punctuation, grammar, sentence structure, or paragraphing.

Engineering and agricultural students will be assigned as far as possible to special sections in freshman composition.

3. General Survey of English Literature. (2 Hrs.) Primarily for freshmen. Required of candidates for degrees in the College of Arts and Sciences and in the College of Agriculture. Historical view of English literature from its beginnings to the eighteenth century with a close study of a few classics. (26).

Both semesters; hours as announced in the semester schedule; Professor ARMSTRONG and staff.

4. General Survey of English Literature. (2 Hrs.) Primarily for freshmen. Required of candidates for degrees in the College of Arts and Sciences and in the College of Agriculture. A continuation of English 3. English literature in the eighteenth and nineteenth centuries. (27).

Second semester; hours as announced in the semester schedule; Professor ARMSTRONG and staff.

NOTE: Students are expected to take Courses 3 and 4 in connection with English 1 and 2, in order to make up five hours of freshman English required in each semester.

8. Composition. (2 Hrs.) A continuation of course 2 for students who desire additional instruction in general composition.

Second semester; T., Th., 10:00. Assistant Professor FARRIS.

Composition and Rhetoric.

11. Description and Narration. (3 Hrs.) Primarily for sophomores. (6).

First semester; M., W., F., 9:00. Professor FARRIS.

12. Short Story Writing. (3 Hrs.) For sophomores and juniors. Prerequisite: two hours of advanced composition.

Second semester; M., W., F., 9:00. Mrs. REED.

13. Expository Writing. (2 Hrs.) Primarily for sophomores. Practical forms of expository composition. (4).

First semester; T., Th., 10:00. Professor JOHNSON, 24 W.

14. Expository Writing. (2 Hrs.) For sophomores and juniors. The informal essay and other literary types of expository composition. Prerequisite: two hours of advanced composition or consent of the instructor. (4).

Second semester; T., Th., 10:00. Professor JOHNSON, 24 W.

NOTE: Either Course 13 or Course 14 is required of students whose major is English.

19. Theme Reading. (1 Hr.) Students qualified to do the work may be assigned by the head of the department to read freshman themes for instructors.

21, (121). Advanced Composition. (2 Hrs.) For seniors and graduates. The course is intended for a limited number of students who desire to take up some particular topic or problem in advanced composition or who wish personal criticism and direction in the preparation of theses or papers in connection with other courses. Students must consult the instructor before registering for the course. (11).

First semester; M., F., 10:00. Professor Johnson, 24 W.

23, (123). English Prose Style. (2 Hrs.) For seniors and graduates. The work will be varied to suit the needs of the students who desire the course. (5).

First semester; M., W., F., 8:00. Professor ————, 24 W.

24. Literary Criticism. (3 Hrs.) For juniors, seniors and graduates. The fundamental principles by which literature is adjudged.

Second semester; M., W., F., 8:00. Professor ————, 30 W.

English Language and Literature.

The aims of this division of English are: (a) A scientific knowledge of the origin and development of the English language; (b) A general acquaintance with English literature; (c) a specific knowledge of certain great authors, periods and movements in English literature.

29. The English Language. (2 Hrs.) A more elementary course than Course 30; given only in the Summer School. (17).

Hours to be arranged. Professor Johnson, 24 W.

30. The English Language. (2 Hrs.) For sophomores, juniors, and seniors. Origin, growth and structure; the vocabulary of modern English. English majors who are entering journalism as a profession may substitute this course for English 20.

Second semester; T., Th., 8:00. Professor Cox, 32 W.

31, (131). Old English. (3 Hrs.) For undergraduates and graduates. Required of all students who make English their major. The essentials of Anglo-Saxon grammar; translations. (20).

First semester; M., W., F., sections at 8:00 and 11:00. Professor Cox, 32 W.

32, (132). Old English—Beowulf. (3 Hrs.) For undergraduates and graduates who have had English 31. (21).

Second semester; M., W., F., 8:00. Professor Cox, 32 W.

33, (133). **Early Middle English.** (2 Hrs.) For undergraduates and graduates who have had English 31. Reading of early middle English texts. (22).

First semester; T., Th., 8:00. Professor Cox, 32 W.

34, (134). **Chaucer.** (3 Hrs.) For juniors, seniors, and graduates. Required of all students who make English their major. The Canterbury Tales. (24).

Second semester; M., W., F., 9:00. Professor Cox, 32 W.

35, (135). **Shakespeare.** (3 Hrs.) For juniors, seniors and graduates. Required of all students who make English their major. A critical reading of Othello, Macbeth, and Twelfth Night. (25).

First semester; M., W., F., 9:00. Professor Cox, 32 W.

Periods and Authors.

42, (142). **Shakespeare.** (3 Hrs.) For juniors, seniors, and graduates. Required of all students who make English their major. Several plays are read with attention to characters, plot development, and general literary interpretation. (28).

Second semester; M., W., F., 8:00. Professor ARMSTRONG, 31 W.

45, (145). **Milton.** (3 Hrs.) For juniors, seniors and graduates. A study of Milton's poems and the Areopagitica. (Omitted in 1925-26.) (29).

Second semester; T., Th., 11:00. Professor Cox, 32 W.

48. **English Literature.** (3 Hrs.) For sophomores, juniors, and seniors. From the death of Swift to the publication of the Lyrical Ballads. (1745-1798.) (32).

First semester; M., W., F., 8:00. Professor BARBE, 33 W.

49. **English Literature.** (2 Hrs.) Primarily for seniors and graduates. From the publication of the Lyrical Ballads to the death of Scott (1798-1832). Prerequisite: four hours of advanced English. (33).

First semester; T., Th., 11:00. Professor ARMSTRONG, 31 W.

50. **Wordsworth.** (3 Hrs.) For sophomores, juniors and seniors. (Omitted 1925-26.) (47).

Second semester; M., W., F., 11:00. Professor BARBE, 33 W.

51. **Mid-Victorian Poetry.** (2 Hrs.) For sophomores, juniors, and seniors. (44).

First semester; T., Th., 9:00. Professor BARBE, 33 W.

52, (152). **English Literature.** (2 Hrs.) For juniors, seniors and graduates. A study of the chief prose writers of the nineteenth century exclusive of fiction. Prerequisite: four hours of advanced English. (Omitted in 1925-26). (35).

First semester; T., Th., 11:00. Professor Armstrong. 31 W.

53. **Browning.** (3 Hrs.) For sophomores, juniors and seniors. (51).

Second semester; M., W., F., 11:00. Professor Barbe. 33 W.

55, (155). **Tennyson.** (2 Hrs.) For sophomores, juniors and seniors. Special attention is paid to the origin and development of the Arthurian legends. (Omitted in 1925-26).

First semester; T., Th., 11:00. Professor Cox. 32 W.

58. **Rudyard Kipling.** (3 Hrs.) For juniors, seniors and graduates. A study of both prose and poetry.

Second semester; M., W., F., 11:00. Professor Cox. 32 W.

60. **Modern British Poetry.** (2 Hrs.) For sophomores, juniors, and seniors. (57).

Second semester; T., Th., 9:00. Professor Barbe. 33 W.

62, (162). **The Modern Drama.** (3 Hrs.) For juniors, seniors and graduates. Readings, lectures, and reports. A few foreign plays in translation will be considered. (54).

Second semester; M., W., F., 11:00. Professor Cox. 32 W.

American Literature.

65. **General Survey of American Literature.** (3 Hrs.) For sophomores, juniors and seniors. Required of all English majors. (39).

First semester; M., W., F., 11:00. Professor Armstrong. 31 W.

66. **Types of American Fiction.** (3 Hrs.) Primarily for seniors and graduates. (43).

Second semester; M., W., F., 9:00. Professor Armstrong. 31 W.

67. **American History in American Literature.** (2 Hrs.) Primarily for seniors and graduates. (Omitted in 1925-26).

Second semester; T., Th., 9:00. Professor Armstrong. 31 W.

68. **Modern American Poetry.** (2 Hrs.) For sophomores, juniors and seniors. (56).

First semester; T., Th., 10:00. Professor Armstrong. 31 W.

Literary Types.

72, (172). **The Ballad.** (2 Hrs.) Primarily for seniors and graduates. A study of the popular English and Scottish ballads with a special consideration of types found in West Virginia. (48).

Second semester; T., Th., 11:00. Professor COX. 32 W.

73, (173). **A Study of Poetry.** (2 Hrs.) For seniors and graduates. English poetry: types, forms, meters, and other essential qualities.

Second semester; T., Th., 11:00. Professor BARBE. 33 W.

74. **Nature Poetry.** (2 Hrs.) For sophomores, juniors, and seniors. Special attention is given to Wordsworth, Bryant and Lowell. (52).

First semester; T., Th., 11:00. Professor COX. 32 W.

75. **The Short Story.** (2 Hrs.) For undergraduates. Interpretation of the short story as a form of literature. (38).

Second semester; T., Th., 10:00. Professor ARMSTRONG. 31 W.

76, (176). **The Novel.** (3 Hrs.) For juniors, seniors and graduates. Various types of the novel are studied in order to show its development and relation to life. (40).

Second semester; M., W., F., 9:00. Professor JOHNSON. 24 W.

77, (177). **The Essay.** (3 Hrs.) For seniors and graduates. A study of the various types of the essay with critical examination of representative essays from English and American authors. Practice in writing. Graduate students will be expected to prepare a paper dealing with some phase of the evolution of the essay. (10).

First semester; M., W., F., 9:00. Professor JOHNSON. 24 W.

79. **Minor Types of Prose Literature.** (2 Hrs.) (Omitted in 1925-6).

First semester; M., F., 10:00; Professor JOHNSON.

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81. **The English Old Testament.** (3 Hrs.) For sophomores, juniors, and seniors. Required of all students who make English their major. A study of the Old Testament in English as literature and history. (36).

First semester; M., W., F., 9:00. Professor ARMSTRONG. 32 W.

82. **The English New Testament.** (3 Hrs.) For undergraduates. A study of the New Testament in English as literature. (37).

Second semester; M., W., F., 9:00. Professor ARMSTRONG. 31 W.

84, (184). **English Literature.** (2 Hrs.) Primarily for seniors and graduates. Study of an author. The entire production or the most important work of some selected author is studied to gain a complete view. The author for 1925-26 is Ruskin. Prerequisite: At least four hours of advanced English. (42).

Second semester; T., Th., 8:00. Professor Armstrong. 31 W.

85. **Masterpieces of European Literature.** (3 Hrs.) For sophomores, juniors, and seniors. A study of a number of literary masterpieces in English, including Cervantes' "Don Quixote," Goethe's "Faust," Shelley's "Adonais," Hardy's "The Return of the Native," Turgenev's "Fathers and Sons," Moliere's "Misanthrope," Hugo's "Hernani." (66).

First semester; M., W., F., 11:00. Professor Barbe. 33 W.

86. **English for Engineers.** (1 Hr.) For seniors in the College of Engineering. Consideration of some special problems of technical composition; preparation, criticism, and revision of student exercises, report and theses; study of some good examples of technical literature. (14).

Second semester; M., F., 10:00. Professor Johnson. 24 W.

Journalism.

The courses in journalism are planned to meet the needs of three classes of students: those who wish to make journalistic training and practice the nucleus of a general education of modern content; those who believe that familiarity with standard newspaper practice and successful public-relations methods is indispensable in present-day business and professional affairs; and those who contemplate reportorial and literary work or the editing and management of newpapers, magazines or special periodicals as a career.

Only courses 5 and 10 are to be regarded as English courses in counting up the maximum amount of credit in English (36 hours) allowed to any student. Other courses in journalism are free electives. English 1 and 2 are prerequisites to all journalism courses, also English 3 and 4 in colleges requiring these two courses.

1. **News Gathering and Writing.** (3 Hrs.) Two lectures and three laboratory hours. (71).

First semester; lectures, M., F., 10:00; laboratory, M. or W. or F., 2:00-5:00. Associate Professor Reed. 4 W.

2. **The Newspaper.** (3 Hrs.) Two lectures and three laboratory hours. A continuation of course 1. (72).

Second semester; lectures, M., F., 10:00; laboratory, M. or W. or F., 2:00-5:00. Associate Professor Reed. 4 W.

3. Newspaper Editing I. (2 Hrs.) One lecture and three laboratory hours. Prerequisites: Courses 1 and 2, or consent of instructor. (73).

First semester; M. or W., 2:00-4:00; F., 2:00-4:00. Associate Professor REED. 4 W.

4. Newspaper Editing II. (2 Hrs.) One lecture and three laboratory hours. Continuation of course 3. (74).

Second semester; M. or W., 2:00-4:00; F., 2:00-4:00. Associate Professor REED. 4 W.

5. Feature Articles. (2 Hrs.) Prerequisite: junior or senior standing. (Not given 1925-26). (75).

First semester; T., Th., 10:00. Associate Professor REED. 4 W.

6. Advertisement-Writing. (2 Hrs.) Prerequisite: junior or senior standing. (Not given 1925-26). (76).

Second semester; T., Th., 10:00. Associate Professor REED. 4 W.

7. History of American Journalism. (2 Hrs.) Prerequisite: junior or senior standing. (78).

Second semester; T., Th., 10:00. Associate Professor REED. 4 W.

8. The Community Newspaper. (2 Hrs.) Prerequisites: Courses 1, 2, 3 and 4, or consent of instructor.

First semester; T., Th., 10:00. Associate Professor REED. 4 W.

9. Special Periodicals. (2 Hrs.) Journalistic practice as adapted to the particular needs of the professions, business, industry, technology and the like. Prerequisites: Courses 1, 2, 3 and 4, or consent of instructor. (Not given 1925-26).

Second semester; T., Th., 11:00. Associate Professor REED. 4 W.

10. The Editorial. (2 Hrs.) Prerequisite: junior or senior standing. (79).

First semester; T., Th., 11:00. Associate Professor REED. 4 W.

11. Journalism Ethics. (2 Hrs.) Prerequisite: junior or senior. standing.

Second semester; T., Th., 11:00. Associate Professor REED. 4 W.

ENTOMOLOGY

1. General Entomology. (4 Hrs.) A study of the external structures, classification, habits, and local distribution of insects and their near relatives. Lectures and text-book. Laboratory and field work in the collecting and mounting of the more common local insects, the classification of the insects, and the study, aided by dissections and drawings, of the external anatomy of various types. Laboratory fee, $1.00.

Second semester; M., W., F., 11:00; M., Th. or F., 2:00. Professor Peairs (College of Agriculture).

Courses 3, 4, 5, 6, 9, and 11 in entomology offered in the College of Agriculture are also regular elective courses in the College of Arts and Sciences. For detailed announcement of these courses see the announcements of the College of Agriculture.

FARM ECONOMICS.

2. Rural Economics. (4 Hrs.) The study of economics as related to all phases of rural life.

Second semester; M., T., W., F., 9:00. Associate Professor Dadisman (College of Agriculture).

Course 1 in Farm Management is included in the list of agricultural subjects from which not to exceed 15 hours may be selected for credit in the College of Arts and Sciences. See announcements of College of Agriculture.

GENETICS.

Genetics 21 is included in the list of agricultural subjects from which not to exceed 15 hours may be selected for credit in the College of Arts and Sciences. See announcements of the College of Agriculture.

GEOLOGY AND MINERALOGY.

Professor S. B. Brown, Professor Tilton and Associate Professor Scheffel.

NOTE: Excursions are taken by the classes over the outcrop of the Coal Measures and through the westernmost fold of the Appalachian Mountains, giving, within a radius of seven miles of the University, a complete geological section through the Mississippian and Pennsylvanian (Coal Measures) systems. Producing oil and gas wells are situated within ten miles of the University.

1. Physical Geography. (3 Hrs.) Primarily for sophomores. This course is designed especially for those who wish to teach physi-

cal geography. Prerequisite: some knowledge of physics and chemistry.

First semester; M., F., 10:00; W., 2:00. Associate Professor SCHEFFEL, 111 M. H.

2. General Geology. (3 Hrs.) Not open to freshmen. Numerous field trips will be taken. Prerequisite: some knowledge of chemistry.

First semester; section 1 (for engineers) M., W., F., 8:00; Associate Professor SCHEFFEL, 111 M. H.; section 2, M., W., F., 9:00; Professor TILTON, 111 M. H.; section 3, M., W., F., 11:00; Professor BROWN, 111 M. H.

Second semester; section 1 (for engineers M., W., F., 9:00; Associate Professor SCHEFFEL, 111 M. H.; section 2, M., F., 10:00, W., 1:00; Professor TILTON, 111 M. H.; section 3, M., W., F., 11:00; Professor BROWN, 111 M. H.

3. Historical Geology. (3 Hrs.) Not open to freshmen. Prerequisite: Geology 2, and some knowledge of botany and zoology.

Both semesters; M., W., F., 8:00. Professor TILTON. 111 M. H.

6. General Mineralogy. (5 Hrs.) Primarily for sophomores. Prerequisite: Trigonometry and some knowledge of chemistry and physics.

First semester; sections at 8:00 and 9:00. Professor BROWN. 113 M. H.

7. Determinative Mineralogy. (5 Hrs.) Continuation of course 6. Prerequisite: Course 6 and some knowledge of chemistry and physics.

Second semester; 8:00. Professor BROWN. 113 M. H.

8. Geology of West Virginia. (2 Hrs.) Designed for seniors and particularly for those who expect to teach in high schools. Prerequisite: Course 2.

First semester; T., Th., 11:00. Professor BROWN. 111 M. H.

10. Building Stones. (2 Hrs.) Adapted to the needs of engineers and architects.

Second semester; T., Th., 11:00. Professor BROWN. 111 M. H.

11. Economic Geology. (3 Hrs.) For juniors and seniors. Prerequisite: Course 2. (4).

Both semesters; M., W., F., 11:00. Associate Professor SCHEFFEL. 111 M. H.

12. **Economic Geology.** (3 Hrs.) For juniors and seniors. Prerequisite: Course 2 or Course 6. (5).

Second semester; M., F., 10:00, and a third hour to be arranged. Professor BROWN. 113 M. H.

13, (113). **Oil and Gas Geology.** (2 or 3 Hrs.) For seniors and graduates. Prerequisite: Courses .... and ...., trigonometry, chemistry, and physics.

First semester; T., Th., 8:00, and a third hour to be arranged. Associate Professor SCHEFFEL, 111 M. H.

21. **General Geology Laboratory.** (1 Hs.) Designed to accompany or follow Course 2.

Both semesters; Th., 10:00-12:00. Associate Professor SCHEFFEL.

32. **Historical Geology (Areal and Structural) Laboratory.** (1 Hr.) Designed to accompany or follow Course 3. (31).

Second semester; W., 2:00-5:00. Professor TILTON, 111 M. H.

62, (162). **Field Geology.** (3 Hrs.) For juniors and seniors, open to graduates as a minor. Prerequisites: Course 3 and surveying. (17).

Second semester; Th., 11:00; S., 8:00-12:00. Associate Professor SCHEFFEL, 112 M. H.

166. **Advanced Field Geology.** (3 to 5 Hrs.) Open only to graduates. Special problems to be worked out by the student. Those interested must consult the instructor before registering. (18).

Second semester; hours to be arranged. Associate Professor SCHEFFEL, 112 M. H.

71, 72, (171, 172). **Field Geology on Distant Areas.** (1 to 3 Hrs.) Primarily for graduate students. Prerequisite: Courses 81 and 32. (20).

Both semesters; hours to be arranged. Professor TILTON, 112 M. H.

81, (181). **Historical Geology (Paleontology) Laboratory.** (1 Hr.) For juniors and seniors; open to graduate students as a minor. (30).

First semester; M., 2:00-5:00. Professor TILTON, 111 M. H.

82, (182). **Historical Geology (Paleontology) Laboratory.** (1 Hr.) For juniors and seniors; open to graduate students as a minor. A continuation of course 81. (32).

Second semester; T., 2:00-5:00. Professor TILTON, 111 M. H.

83, 84, (183, 184). Stratigraphic Paleontology. (1 Hr.) For seniors and graduate students. Prerequisite: Courses 3 and 81. (33).

Both semesters; F., 1:00-4:00. Professor TILTON, 111 M. H.

87, (187). Petrography. (2 Hrs.) For seniors and graduates. Prerequisite: Course 2, some additional knowledge of mineralogy and of light. (11).

First semester; T., Th., 9:00; laboratory hours to be arranged. Professor TILTON, 112 M. H.

91, 92, (191, 192). Geologic Readings—Seminar. (1 Hr.) For juniors, seniors, and graduates. Designed to accompany or follow Course 3.

Both semesters; hours to be arranged. Professor TILTON.

Engineering Geology.

The following courses in geology designed particularly to meet the needs of students in mining engineering or in oil and gas engineering are offered in the College of Engieering.

Eng'g. 89. Elementary Mineralogy. (1 Hr.) Not counted for credit in the College of Arts and Sciences. Prerequisite: Chemistry 4 or equivalent.

First semester. Assistant Professor LAWALL (College of Engineering), 119 M. H.

Eng'g. 92. Oil and Gas Production. (2 Hrs.) Prerequisite: Geology 13.

Second semester; T., Th., 8:00. Associate Professor SCHEFFEL, 112 M. H.

NOTE: For further information regarding engineering geology see the announcements of the College of Engineering.

GERMANIC LANGUAGES AND LITERATURES.

Professor Porterfield and Assistant Professor Michel.

1. **Elementary German.** (5 Hrs.) Pronunciation, syntax, translation, composition.

First semester; M., T., W., Th., F., 9:00, 11:00 and 2:00; second semester, M., T., W., Th., F., 11:00. Professor Porterfield and Assistant Professor Michel, 25 W. and 20 W.

2. **Elementary German.** (5 Hrs.) Review of syntax, translation, composition.

First semester; M., T., W., Th., F., 11:00; second semester, M., T., W., Th., F., 9:00, 11:00 and 2:00. Professor Porterfield and Assistant Professor Michel, 25 W. and 20 W.

3. **Intermediate German.** (5 Hrs.) Rapid reading of prose by modern authors, memorizing of poems, dictation, composition.

First semester; M., T., W., Th., F., 8:00. Assistant Professor Michel, 20 W.

4. **Intermediate German.** (5 Hrs.) Continuation of Course 3.

Second semester; M., T., W., Th., F., 8:00. Assistant Professor Michel, 20 W.

5. **Classical German.** (3 Hrs.) Critical study of selected works by Wieland, Lessing, Goethe, Schiller.

First semester; M., W., F., 9:00. Professor Porterfield, 25 W.

6. **Classical German.** (3 Hrs.) Critical study of selected works by Kleist, Grillparzer, Hebel, Ludwig.

Second semester; M., W., F., 9:00. Professor Porterfield, 25 W.

7. **Modern German.** (2 Hrs.) Appreciative study of representative novels and dramas by Hermann Sudermann.

First semester; T. and Th., 9:00. Professor Porterfield, 25 W.

8. **Modern German.** (2 Hrs.) Appreciative study of representative novels and dramas by Gerhart Hauptmann.

Second semester; T. and Th., 9:00 . Professor Porterfield, 25 W.

21. **Scientific German.** (3 Hrs.) Intended primarily for students in science courses. Prerequisites: One year of college German or two years of high school German. (19).

First semester; M., W., F., 2:00. Professor Porterfield, 25 W.

22. **Scientific German.** (3 Hrs.) Continuation of Course 21.

Second semester; M., W., F., 2:00. Professor Porterfield, 25 W.

31. Teachers' German. (2 Hrs) Intended primarily for part-time students and similar to Courses 2, 3 and 4. Prerequisites: One year of college German or two years of high school German.

First semester; S., 10:00 to 12:00. Assistant Professor MICHEL, 20 W.

32. Teachers' German. (2 Hrs.) Continuation of Course 31.

Second semester; S., 10:00 to 12:00. Assistant Professor MICHEL, 20 W.

41, (141). Faust, Part I. (2 Hrs.) Open also to qualified undergraduates. (14).

First semester; T. and Th., 2:00. Professor PORTERFIELD, 25 W.

42, (142). Faust, Part II. (2 Hrs.) Prerequisite: Course 101. (14).

Second semester; T. and Th., 2:00. Professor PORTERFIELD, 25 W.

145. History of German Literature, 1796-1870. (2 Hrs.) (Given in 1926-27). (12).

First semester; T. and Th., 10:00. Professor PORTERFIELD, 25 W.

146. History of German Literature, 1870-1914. (2 Hrs.) Continuation of Course 105. (Given in 1926-27). (12).

Second semester; T. and Th., 10:00. Professor PORTERFIELD, 25 W.

147. German-Swiss Literature. (2 Hrs.) Intensive study of the modern Swiss novel from Gottfried Keller to the present. (Given in 1926-27).

First semester; T. and Th., 3:00. Assistant Professor MICHEL, 20 W.

148. German-Swiss Literature. (2 Hrs.) Continuation of Course 111. (Given in 1926-27).

Second semester; T. and Th., 3:00. Assistant Professor MICHEL, 20 W.

GREEK.

Professor BISHOP.

1. Elementary Greek. (5 Hrs.)

First semester; 11:00; 23 W.

2. Elementary Greek. (5 Hrs.) Continuation of Course 1.

Second semester; 11:00; 23 W.

3. Xenophon's Anabasis. (4 Hrs.)

First semester; M., T., Th., F., 10:00; 23 W.

4. **Selections from Lucian; Homer's Odyssey.** (4 Hrs.)
Second semester; M., T., Th., F., 10:00; 23 W.

7. **Plato's Apology, Crito, and Euthyphro.** (3 Hrs.)
First semester; M., W., F., 9:00; 23 W.

8. **Demosthenes On the Crown.** (3 Hrs.) (Omitted in 1924-25).
Second semester; M., W., F., 9:00; 23 W.

11. **Thucydides.** (3 Hrs.) (Omitted in 1924-25).
First semester; M., W., F., 9:00; 23 W.

14. **Euripides' Ion.** (3 Hrs.) Open to seniors and graduate students.
Second semester; M., W., F., 9:00; 23 W.

21. **The New Testament in Greek.** (3 Hrs.) The Gospels. (17).
First semester; M., W., F., 2:00; 23 W.

22. **The New Testament in Greek.** (3 Hrs.) The Acts and the Church Epistles. (18).
Second semester; M., W., F., 2:00; 23 W.

23. **The New Testament in Greek.** (3 Hrs.) The Epistle to the Hebrews, the Pastoral Epistles and the Apocalypse. (Omitted in 1924-25). (24).
Either semester; M., W., F., 3:00; 23 W.

31. **Greek Archaeology.** (2 Hrs.) (26).
First semester; T., Th., 3:00; 23 W.

32. **Mythology.** (2 Hrs.) (20).
First semester; T., Th., 3:00; 23 W.

35. **Every Day Greek.** (1 Hr.) A study of the Greek origin of English words, especially of the technical vocabulary of chemistry, astronomy, physics, philosophy, and other sciences. (23).
Both semesters; W., 4:00; 23 W.

41. **Greek Literature in Translation.** (2 Hrs.) Homer's Iliad or Odyssey. (15).
First semester; T., Th., 9:00; 23 W.

42. **Greek Literature in Translation.** (2 Hrs.) Tragedies of Euripides or of Sophocles. (21).
Second semester; T., Th., 9:00; 23 W.

51. **Comparative Philology.** (2 Hrs.) A general introduction to the subject of comparative philology. Prerequisite: Credit for at least ten hours' college work in each of two foreign languages. (19).
First semester; T., Th., 2:00; 23 W.

HISTORY AND POLITICAL SCIENCE

Professor CALLAHAN, Professor CHITWOOD, Professor AMBLER, Professor SHORTRIDGE, Assistant Professor MITCHELL and Mr. ELVIKEN.

The work offered in this department includes: (1) Continental European History; (2) English History; (3) American History; and (4) Political Science.

Instruction is given by lectures, text-book work, assigned collateral readings; preparation of papers, syllabi, and maps; special reports, recitations, and informal conferences.

Students are encouraged to observe and to read contemporary history and politics.

An afternoon hour is designated for conference and for direction of library work.

History majors before their graduation are required to complete 25 hours in their major subject, including a seminar course, and to complete at least 5 hours in political science and 6 hours in economics or sociology, at least 4 hours in a biological science (zoology or botany), and to meet all special requirements for the A.B. degree.

Students who desire their major work in political science are required to complete at least 10 hours in history in addition to 25 hours in political science.

Continental European History.

Students who select continental European history as their principal study are advised to take French or German, in the early part of the University course.

Most students (except pre-law students) should begin with Courses 4 and 5 or 27 and 28.

1. History of Ancient Civilization. (2 Hrs.) For freshmen. (Omitted in 1925-26.) (10).

Assistant Professor MITCHELL, 43 W.

2. History of Rome. (2 Hrs.) For freshmen. (Omitted in 1925-26.) (11).

Assistant Professor MITCHELL, 43 W.

3. Current European History. (1 Hr.) For freshmen. (Omitted in 1925-26.) (45).

Professor CHITWOOD, 41 W.

4. Modern European History to 1815. (3 Hrs.) Primarily for freshmen. (14).

First semester; first section, M., W., 9:00, and a third hour for quiz sections arranged to meet the convenience of instructor and students. Second section, M., F., 10:00, and a third hour for quiz sections. Assistant Professor MITCHELL, 46 W.

5. **Modern European History Since 1815.** (3 Hrs.) Primarily for freshmen. A continuation of Course 4. (15).

Second semester; first section, M., W., 8:00, and a third hour for quiz sections arranged to meet the convenience of instructor and students. Second section, M., F., 10:00, and a third hour for quiz sections. Assistant Professor Mitchell, 46 W.

6. **Medieval History.** (2 Hrs.) For sophomores and juniors. (12).

First semester; T., Th., 11:00. Assistant Professor Mitchell, 43 W.

7. **French Revolution.** (2 Hrs.) Primarily for juniors. Prerequisite: History 4 or the consent of the instructor. (44).

First semester; T., Th., 8:00. Assistant Professor Mitchell, 43 W.

8. **Napoleonic Period.** (2 Hrs.) Primarily for juniors. A continuation of History 7. Prerequisite: History 7 or the consent of the instructor. (46).

Second semester; T., Th., 8:00. Assistant Professor Mitchell, 43 W.

9. **History of Spain.** (2 Hrs.) Primarily for juniors. Prerequisite: A reading knowledge of French or Spanish. (Omitted in 1925-26.) (47).

First semester; Assistant Professor Mitchell, 43 W.

10. **History of Spain.** (2 Hrs.) Primarily for juniors. A continuation of History 9. Prerequisite: A reading knowledge of French or Spanish, and History 9 or the consent of the instructor. (Omitted in 1925-26.) (48).

Second semester; Assistant Professor Mitchell, 43 W.

11. **European Social and Economic History.** (2 Hrs.) Primarily for seniors.

First semester; T., Th., 9:00. Assistant Professor Mitchell, 43 W.

12. **Current Problems in European Political Geography.** (2 Hrs.) Primarily for juniors. (75).

Second semester; T., Th., 9:00. Assistant Professor Mitchell, 43 W.

13. **Expansion of Europe, 1500-1925.** (2 Hrs.) For seniors. (Omitted 1925-26.) (49).

First semester; Assistant Professor Mitchell, 43 W.

14, (114). Renaissance and Reformation. (3 Hrs.) For seniors and graduates. (13).

Second semester; M., W., F., 11:00. Assistant Professor MITCHELL, 43 W.

15, (115). Contemporary Europe, 1870-1921. (3 Hrs.) Open to seniors and graduate students. Prerequisite: A knowledge of the outline facts of European history from 1815 to 1870. (Omitted 1925-26.) (50).

First semester; M., W., F., 11:00. Professor CHITWOOD, 41 W.

16, (116). Seminar in European History. (2 Hrs.) For graduates; open to seniors with the consent of the instructor. (Omitted 1925-26.) (16).

First semester; Professor CHITWOOD, 41 W.

17, (117). Seminar in Modern European History. (2 Hrs.) Open to graduates and well prepared seniors. (76).

Second semester; T., Th., 10:00. Assistant Professor MITCHELL, 43 W.

18, (118). The Causes of the World War. (2 Hrs.) For graduates; open to seniors with the consent of the instructor. (Omitted in 1925-26.)

Second semester; Professor CHITWOOD, 41 W.

English History.

NOTE:—Courses 27 and 28 furnish a good foundation for the study of American history and law and are required as a prerequisite for advanced courses in English history. The library is well equipped for advanced courses in the history of Canada and in seventeenth century England.

27. History of England to the Stuarts. (3 Hrs.) Primarily for sophomores but with certain sections reserved for pre-law freshmen. (17).

First semester; sections for pre-law freshmen only; M., W., F., 8:00 and 11:00; ———— ————. Sections primarily for sophomores; M., W., F., 8:00 and 11:00. Professor SHORTRIDGE, 20 L (or 46 W.).

28. History of England Since the Stuarts. (3 Hrs.) (18).

Second semester; sections for pre-law freshmen only; M., W., F., 8:00 and 11:00; ———— ————. Sections primarily for sophomores; M., W., F., 8:00 and 11:00. Professor SHORTRIDGE, 20 L (or 46 W.).

29. English Social and Industrial History. (3 Hrs.) Primarily for freshmen in home economics and agriculture. (19).

First semester; M., W., F., 11:00. ———— ————.

30. English Historical and Practical Politics. (2 Hrs.) Primarily for juniors and pre-law sophomores. Prerequisites: History 27 or 28. (65).

First semester; M., F., 10:00. Professor SHORTRIDGE, 20 L.

31. Development of the British Empire. (2 Hrs.) Primarily for juniors and seniors. (99).

First semester; T., Th., 11:00. Professor SHORTRIDGE, 20 L.

32, (132). History of Canada. (2 Hrs.) Primarily for juniors and seniors who have had History 27 and 28, but open to graduates. (67).

Second semester; T., Th., 11:00. Professor SHORTRIDGE, 20 L.

33, (133). The Puritan Revolution. (3 Hrs.) Prerequisites: History 27 and 28. (70).

Second semester; M., W., F., 9:00. Professor SHORTRIDGE, 20 L.

36, (136). English Constitutional History and Law. (2 Hrs.) Prerequisite: History 27 and 28. (20).

First semester; T., Th., 9:00. Professor SHORTRIDGE, 20 L.

37, (137). Seminar in English and Canadian History. (2 Hrs.)

Second semester; T., Th., 9:00. Professor SHORTRIDGE, 20 L.

American History.

All students of American history should have Channing and Hart's Guide, and Shepherd's Historical Atlas.

47. History of the United States to 1840. (2 Hrs.) A general survey course offered only at extension centers. (7).

First semester; Professor AMBLER.

48. History of the United States Since 1840. (2 Hrs.) A general survey course offered only at extension centers. Continuation of Course 7. (8).

Second semester; Professor AMBLER.

49. American Social and Economic History. (3 Hrs.) Primarily for freshmen in home economics and agriculture. Not open to juniors, seniors, or to students who have had History 52 or 53. (29).

Second semester; M., W., F., 11:00. Extra quiz sections, hours to be arranged. ———— ————, 46 W.

50. **History of West Virginia.** (1 Hr.) For freshmen or sophomores. (32).

First and second semesters; Th., 10:00. Professor CALLAHAN, 20 L.

51. **American Colonial History, 1492-1776.** (2 Hrs.) Primarily for freshmen. (21).

Second semester; first section, T., Th., 10:00. Extra quiz sections, hours to be arranged. Professor CHITWOOD, 46 W.

52. **The Formation of the Union: American Political History, 1776-1829.** (3 Hrs.) Primarily for juniors and pre-law sophomores. (22).

First semester; M., W., F., 9:00; T., Th., S., 9:00. Extra quiz sections, hours to be arranged. Professor CHITWOOD, 46 W.

NOTE:—Courses 52 and 53 should be taken in regular order. Students who can take only one course should register for Course 52.

53. **Division and Reunion: American Political History Since 1829.** (3 Hrs.) A continuation of Course 52. Primarily for juniors and pre-law sophomores. (23).

Second semester; M., W., F., 9:00; T., Th., S., 9:00. Extra quiz sections, hours to be arranged. Professor CHITWOOD, 46 W.

54. **Development of the West.** (2 Hrs.) For juniors who have had college courses in American history. (27).

Second semester; T., Th., 11:00. Professor SHORTRIDGE, 20 L.

55. **American Constitutional Development.** (3 Hrs.) Primarily for juniors. (42).

First semester; M., W., F., 9:00. Professor CALLAHAN, 20 L.

56. **Education—The Teaching of History and Civics.** For juniors and seniors preparing to teach in secondary schools. (33).

Summer School. Professor AMBLER, 45 W.

57. **Problems of the Civil War Period 1850-1872.** (3 Hrs.) Primarily for juniors and seniors with major in history or in economics. (53).

Second semester; M., W., F., 9:00. Professor CALLAHAN, 20 L.

58, (158). **Reconstruction and Later American History 1865-1924.** (3 Hrs.) Primarily for seniors who major in history but open to other seniors and graduates on approval. (24).

Second semester; M., F., 10:00, and third hour to be arranged. Professor AMBLER, 45 W.

59, (159). The Trans-Allegheny Frontier. (2 Hrs.) For seniors and graduates. (51).

First semester; T., Th., 8:00. Professor Ambler, 45 W.

60, (160). History of American Diplomacy and Foreign Policy, 1776-1920. (2 Hrs.) Open to seniors and graduates who have credit for History 52 or 53 or 55. (26).

First semester; T., Th., 9:00. Professor Callahan, 20 L.

61, (161). Latin-American History. (2 Hrs.) Primarily for seniors but open to graduates. (Omitted 1925-26.) (31).

Second semester; T., Th., 9:00. Professor Callahan, 21 L.

62, (162). The American Revolution and the Making of the Constitution. (2 Hrs.) For seniors and graduates. (30).

Second semester; T., Th., 8:00. Professor Ambler, 45 W.

63, (163). Anglo-American Diplomatic Relations. (2 Hrs.) For seniors and graduates who have had college courses in American political or constitutional history, or History 160. (Omitted 1925-26.) (55).

First semester; T., Th., 9:00. Professor Callahan, 20 L.

64, (164). American Relations with Latin America... (2 Hrs.) For seniors and graduates who have had college courses in American political history. (56).

Second semester; T., Th., 11:00. Professor Callahan, 20 L.

65, (165). Special American Diplomatic Problems. (2 Hrs.) Primarily for history majors, seniors and graduates whose previous credits include History 52 or 53, and 160. (Omitted 1925-26.) (64).

Second semester; T., Th., 3:00. Professor Callahan, 20 L.

66, (166). American Expansion Policy. (2 Hrs.) For graduate students. (25).

First semester; hours to be arranged. Professor Callahan.

67, (167). History of the South. (2 Hrs.) For seniors and graduates. (Omitted 1925-26.) (52).

Professor Ambler, 45 W.

68, (168). The Jacksonian Era. (2 Hrs.) For graduates. (135).

Second semester; M., F., 10:00. Professor Chitwood, 41 W.

70, (170). Seminar. (2 Hrs.) Primarily for graduates (History majors) who are preparing theses. Methods of historical research, construction, and interpretation. (34).

First and second semesters; 3:00. Professor Callahan, 22 L.

Historical Conference.

First and second semesters; 3:00. Professor CALLAHAN, 22 L.

The attention of students taking American History is invited to the announcements of the Bryan prize and the Tax Commission prize on page 51 of the University Catalogue.

Political Science.

Students with major in political science are required to complete 25 hours in that subject, 10 hours in history (which should include 52 or 55 and a course in English constitutional history), 6 hours in economics or sociology, and at least 4 hours in a biological science. With the approval of their class officer political science majors planning for public service (city manager, chamber of commerce, social center, etc.) may take a part of their required major work in the College of Law. The following law courses are recommended: Administrative Law, Constitutional Law, Municipal Corporations, and Public Utilities.

1. **Citizenship and Community Problems.** (1 Hr.) An orientation and adjustment course for freshmen.

First semester; Tu., 10:00. Professor CALLAHAN, 20 L.

3. **American Political Parties.** (2 Hrs.) For freshmen and sophomores. (9).

First semester; T., Th., 9:00. Professor AMBLER, 45 W.

5. **Introduction to American Federal Government.** (3 Hrs.) Primarily for sophomores. (Offered also in extension classes.) (6).

First semester; M., W., F., 9:00 and T., Th., S., 10:00. Professor AMBLER, 45 W.

6. **State and Local Government.** (3 Hrs.) Primarily for sophomores. (37).

Second semester; M., W., F., 8:00 and 9:00. Professor AMBLER, 45 W.

7. **Municipal Government.** (3 Hrs.) For juniors and seniors. (40).

First semester; M., W., F., 11:00. Professor AMBLER, 45 W.

8. **Municipal Administration.** (3 Hrs.) For juniors and seniors.

Second semester; M., W., F., 11:00. Professor AMBLER, 45 W.

9. **Current Problems in European Political Geography.** (2 Hrs.) Primarily for juniors.

First semester; T., Th., 9:00. Assistant Professor MITCHELL, 43 W. (History 75.)

15, (115). American Practical Politics: Government at Work. (2 Hrs.) Open to seniors and graduates. (See also History 30 and 136.) (35).

First semester; M., F., 10:00. Professor Callahan, 20 L.

16, (116). European History and Practical Politics. (2 Hrs.) Primarily for seniors who have had history. Open to graduates as a minor. (36).

First semester; T., Th., 10:00. Assistant Professor Mitchell, 43 W.

18. (118). State and Local Administration. (2 Hrs.) For seniors and graduates. (Omitted 1925-26.) (38).

Second semester; Professor Ambler.

19, (119). Historical Political Theories. (2 Hrs.) (Omitted 1925-26.) (39).

Professor Ambler.

20, (120). American Political Theories. (2 Hrs.) (See also History 55.) (Omitted 1925-26.)

Professor Ambler.

23, (123). International Law and Practice of Diplomacy. (2 Hrs.) Open to seniors and graduates with prerequisite courses in modern history. (43).

Second semester; T., Th., 9:00. Professor Callahan, 20 L.

60, (160). American Diplomacy and Foreign Policy. (See History 160.)

HOME ECONOMICS.

Courses in this subject are offered in the College of Arts and Sciences and in the College of Agriculture. For detailed description of these courses see the announcements of the College of Agriculture.

HORTICULTURE.

Horticulture 2 and 3 are included in the list of Agricultural subjects from which not to exceed 15 hours may be selected for credit in the College of Arts and Sciences. See announcements of the College of Agriculture.

LATIN.

Professor CANNADAY and Professor HARE.

1. **Elementary Latin.** (5 Hrs.) Primarily intended for students who are preparing for law or medicine, but may be counted for credit toward the A.B. degree. An intensive course covering in one semester what is usually called First Year Latin. Much written work is required in addition to classroom instruction. (21).

First semester; M., T., W., Th., F., 8:00; and M., T., W., Th., F., 9:00. Professor CANNADAY, 29 W.

2. **Elementary Latin.** (5 Hrs.) A continuation of Course 1. Text read will be Caesar or an equivalent. The course also calls for written work based upon the text read. (22).

Second semester; M., T., W., Th., F., 8:00; and M., T., W., Th., F., 9:00. Professor CANNADAY, 29 W.

3. **Cicero's Orations.** (5 Hrs.) For freshmen or others offering two units for entrance. The first three orations against Catiline are read. (1).

First semester; M., T., W., Th., F., 8:00. Professor HARE, 12 W.

4. **Cicero's Orations.** (5 Hrs.) A continuation of Course 3. The orations read are the fourth against Catiline, the oration for Archias and the Manilian Law. (2).

Second semester; M., T., W., Th., F., 8:00. Professor HARE, 12 W.

5. **Virgil.** (4 Hrs.) For freshmen or others offering three units for entrance. The first three books of the Aeneid are read. Prose composition once a week. (3).

First semester; M., T., Th., F., 9:00. Professor HARE, 12 W.

6. **Virgil.** (4 Hrs.) A continuation of Course 5. Books four, five and six of the Aeneid are read. (4).

Second semester; M., T., Th., F., 9:00. Professor HARE, 12 W.

7. **Cicero's Essays.** (2 Hrs.) For freshmen and others offering four units of high school Latin or the preceding courses. Readings from the De Senectute, the De Amicitia, and the Tusculanae Disputationes. (5).

First semester; T., Th., 2:00. Professor CANNADAY, 29 W.

8. **Cicero's Essays.** (2 Hrs.) A continuation of Course 7. Further readings from the same essays.

Second semester; T., Th., 2:00. Professor CANNADAY, 29 W.

9. Livy. (3 Hrs.) Selections from Books XXI., XXII., and I., with particular attention to Livy's conception of history and his literary style. (6).

First semester; M., W., F., 2:00. Professor Cannaday, 29 W.

10. Horace's Odes and Epodes. (3 Hrs.) Particular attention given to Horace's meters, his style, and his philosophy of life. (6).

Second semester; M., W., F., 2:00. Professor Cannaday, 29 W.

11. Teachers' Course. (2 Hrs.) A discussion of Latin in its relation to modern languages, questions of style, methods of translation, methods of teaching, and other matters that concern the prospective teacher of Latin. (9).

First semester; T., Th., 11:00. Professor Cannaday, 29 W.

12. Teachers' Course. (2 Hrs.) A continuation of Course 11. (10).

Second semester; T., Th., 11:00. Professor Cannaday, 29 W.

13. Virgil's Georgics. (3 Hrs.) (7).

First semester; M., W., F., 11:00. Professor Cannaday, 29 W.

14. Roman Comedy. (3 Hrs.) Selected plays of Plautus and Terence. (8).

Second semester; M., W., F., 11:00. Professor Cannaday, 29 W.

15. Ovid. (3 Hrs.) Selections from the Metamorphoses. Offered in alternate years instead of Course 13. (12).

First semester; M., W., F., 11:00. Professor Cannaday, 29 W.

16. Tacitus. (3 Hrs.) The Agricola and the Germania. Offered in alternate years instead of Course 14.

Second semester; M., W., F., 11:00. Professor Cannaday, 29 W.

31, (131). Horace's Satires and Epistles. (4 Hrs.) (11).

First semester; M., T., Th., F., 10:00. Professor Cannaday, 29 W.

32, (132). Roman Life and Customs. (4 Hrs.) The basis for this study will be selected readings from the letters of Cicero and Pliny and the satires of Juvenal. (17).

Second semester; M., T., Th., F., 10:00. Professor Cannaday, 29 W.

LIBRARY METHODS.

Dr. ARNETT.

1. **Library Methods.** (2 Hrs.) An introductory course for the purpose of acquainting students with the University Library and the practice of library methods; instruction in the use of catalogues, indexes, and general reference books, and in the selection and purchase of books.

First semester; T., Th., 8:00; L.

2. **Library Methods.** (2 Hrs.) Theory and practice of library methods, including elementary cataloguing, classification, binding and repair of books, loan desk, etc.

Second semester; T., Th., 8:00; L.

3. **Advanced Study and Practice in Library Methods.** (2 Hrs.) Intended for those specializing for library work. Hours to be arranged.

MACHINE DESIGN AND CONSTRUCTION.

Courses 20, 21, 22, 23, 24, 25, 28 and 30 in Mechanical Drawing, course 26 in Descriptive Geometry, courses 27 and 9 in mechanism and machinery and courses 46 and 47 in Industrial Management, offered in the College of Engineering are included in the list of Engineering subjects from which not to exceed 15 hours may be selected for credit in the College of Arts and Sciences. See announcements of the College of Engineering.

MATHEMATICS.

Professor Eiesland, Assistant Professors Reynolds, Buchanan, and Turner, Mr. Harkins, Mr. Davis, Miss Harshbarger and Mr. Crawford.

2. **Solid Geometry.** (3 Hrs.) If offered to remove entrance conditions, one-half unit.

First semester; T., Th., S., 10:00; Mr. Crawford, 225 M. H.; second semester; T., Th., S., 10:00, Mr. Crawford.

3. Advanced Algebra. (3 Hrs.)

First semester; for students in College of Arts and Sciences; M., W., F., 8:00 and 11:00; Mr. Davis and Mr. Crawford, 205 and 226 M. H.; second semester, 11:00; also offered for students in the College of Engineering, (in connection with course 4); daily, 8:00, 9:00 and 11:00; Professor Eiesland and staff; second semester; M., W., and F., 8:00, 9:00; Assistant Professor Turner, Mr. Harkins, Mr. Davis.

4. Plane Trigonometry. (2 Hrs.)

First and second semesters; for students in the College of Arts and Sciences; T., Th., 8:00 and 11:00; Mr. Harkins and Mr. Davis, 205 and 226 M. H.; also offered for students in the College of Engineering (in connection with course 3); daily, 8:00, 9:00 and 11:00; Professor Eiesland and staff.

5. Analytic Geometry. (3 Hrs.) Prerequisites: Courses 3 and 4.

First semester; for students in the College of Engineering (in connection with course 6, daily, 9:00 and 11:00; Professor Eiesland and staff; for students in the College of Arts and Sciences and also in the College of Engineering; M., W., F., 8:00 and 11:00; Assistant Profesors Reynolds and Buchanan, 205 and 225 M. H. Second semester; for students in the College of Engineering and in the College of Arts and Sciences; M., W., F., 8:00, 9:00 and 11:00; Professor Eiesland and staff.

6. **Trigonometry and Topics in Advanced Algebra.** (2 Hrs.) A continuation of courses 3 and 4, including topics in plane trigonometry and advanced algebra and also ten lessons in spherical trigonometry with application to the astronomical triangle.

First semester; for students in the College of Engineering as well as for students in the College of Arts and Sciences; T., Th., 10:00; Mr. Davis, 300 M. H. Second semester, 8:00, 9:00, and 11:00; Professor Eiesland and staff.

7. **Differential and Integral Calculus.** (3 Hrs.) Prerequisites: Courses 2, 3, 4, 5 and 6.

First semester; M., W., F., conference hours, T., Th., 8:00, 9:00 and 11:00; second semester, M., W., F., conference hours, T., Th., 9:00 and 11:00. Professor EIESLAND and staff.

8. **Differential and Integral Calculus.** (3 Hrs.) A continuation of course 7.

First semester; M., W., F., conference hours, T., Th., 9:00 and 11:00. Second semester; M., W., F., conference hours, T., Th., 8:00, 9:00 and 11:00. Professor EIESLAND and staff.

NOTE: In courses 7 and 8, the part denoted as "conference," two hours weekly, is not intended to increase the amount of prepared work. It really amounts to two hours weekly of study in preparation for the regular class recitation with the help and guidance of the teacher. Attendance at these conferences is required.

25. **Elementary Mathematical Analysis.** (5 Hrs.) Prerequisites: Elementary algebra and plane geometry.

First semester; 8:00 and 11:00. Mr. HARKINS and Mr. DAVIS.

26. **Elementary Mathematical Analysis.** (3 Hrs.) A continuation of course 25.

Second semester; M., W., F., 8:00 and 11:00. Mr. HARKINS and Mr. DAVIS.

27. **Elementary Mathematical Analysis.** (2 Hrs.) This course may be elected by students who have had course 25 and are pursuing course 26. (28).

Second semester; M., W., F., 11:00. Mr. HARKINS, 300 M. H.

Courses 25 and 26, or 3, 4 and 28, or else 3, 4 and 29 may be chosen by those students who wish to take 8 hours of mathematics for the requirement of group 4 (physics, chemistry, mathematics).

28. **Mathematical Theory of Investment.** (3 Hrs.) Primarily for students in economics and sociology. The following are among the topics treated: Theory of series and logarithms, interest and annuities, amortization, valuation of bonds, sinking funds and depreciation, theory of probability, life insurance. Prerequisites: A fair knowledge of algebra through quadratics. (23).

Second semester; hours to be arranged. Assistant Professor REYNOLDS, 205 M. H.

Courses 3, 4 and 28 will satisfy the requirement for group 4.

29. **Mathematics for Agriculture and General Science.** (3 Hrs.) Primarily for students of agriculture and biological science. The course includes such topics as the following: theory of probability, calculation of errors, laws of heredity. Prerequisites: Courses 3 and 4, or 25, 26. (22).

First or second semester; hours to be arranged; M., W., F., Professor EIESLAND.

Courses 3, 4 and 29 will satisfy the requirements for group 4.

30. **Teachers' Course in Secondary School Mathematics.** (3 Hrs.) This course is devoted to the study of the logical structure of elementary algebra, plane and solid geometry with particular reference to the problems of teaching these subjects in high schools. Taken with course 31 it may be counted toward a major in the Department of Education. Prerequisites: eight hours of mathematics such as courses 25 and 26 or 3, 4 and 5. (27).

First semester; M., W., F., 3:00. Assistant Professor REYNOLDS.

31. **Teacher's Course in Secondary School Mathematics.** (2 Hrs.) Continuation of course 30. (27).

Second semester; T., Th., 3:00. Assistant Professor REYNOLDS.

Courses 30 and 31 may be counted toward a major in the Department of Education.

40, (140). **Differential Equations.** (3 Hrs.) Prerequisites: Courses 7 and 8. (9).

Second semester; M., W., F., 1:00. Professor EIESLAND, 300 M. H.

41, (141). **Theory of Determinants and Analytic Geometry of Space.** (2 Hrs.) Prerequisites: Courses 7, 8. (10).

First semester; T., Th., 3:00. Assistant Professor TURNER, 114 M. H.

42, (142). **Advanced Topics in Calculus.** (2 Hrs.) (11).

Second semester; T., Th., 3:00. Assistant Professor BUCHANAN, 205 M. H.

43, (143). **Projective Geometry.** (3 Hrs.) (12).

Second semester; M., W., F., 3:00. Assistant Professor TURNER, 114 M. H.

Courses 40, 41, 42, and 43 are required of all students taking mathematics as a major study. In special cases courses 30 and 31 may be substituted for 42 and 43. The same courses may also be elected as minors by students doing graduate work in physics or

chemistry. Courses 40 and 42 are especially recommended for those who expect to take up advanced work in physical chemistry, mathematical physics or theory of electricity.

51, (151). **Descriptive Astronomy.** (3 Hrs.) Prerequisites: Courses 7, 8.

Second semester; M., W., F., 3:00. Professor EIESLAND, 300 M. H.

52, (152). **Practical Astronomy.** (1 Hr.) Sextant work and work with a portable transit.

Second semester; T., 1:00. Professor EIESLAND.

180. **High Plane Curves with Special Reference to Curves of the Third and Fourth Order.** (3 Hrs.) (55).

First semester; M., W., F., 4:00. Assistant Professor TURNER.

181. **Higher Plane Curves.** Continuation of course 180. (56).

Second semester; M., W., F., 4:00. Assistant Professor TURNER.

182. **Introduction to the Theory of Functions of a Complex Variable.** (3 Hrs.) (57).

First semester; M., W., F., 4:00. Assistant Professor BUCHANAN.

183. **Introduction to the Theory of Functions of a Complex Variable.** (3 Hrs.) Continuation of course 182. (58).

Second semester; M., W., F., 4:00. Assistant Professor BUCHANAN.

184. **Differential Geometry and Theory of Surfaces.** (3 Hrs.) (59).

First semester; M., W., F., 3:00. Professor EIESLAND.

185. **Differential Geometry and Theory of Surfaces.** (3 Hrs.) (60).

Second semester; M., W., F., 3:00. Professor EIESLAND.

186. **Introduction to the Theory of Integral Equations.** (3 Hrs.) (63).

First semester; hours to be arranged. Assistant Professor REYNOLDS.

187. **Introduction to the Theory of Integral Equations.** (3 Hrs.) (64).

Second semester; hours to be arranged. Assistant Professor REYNOLDS.

188. **Mathematical Seminar.** (2 Hrs.) (51).

First semester; hours to be arranged. Assistant Professor Buchanan.

189. **Mathematical Seminar.** (2 Hrs.) (52).

Second semester; hours to be arranged. Assistant Professor Reynolds.

190. **Vector Analysis.** (3 Hrs.) (66).

Second semester; hours to be arranged. Professor Eiesland.

191. **Linear and Quadratic Line Complexes.** (3 Hrs.) Methods of Plucker, Klein and Lie. Prerequisites: Courses 184 and 185. (71). (Omitted 1924-25).

First semester; hours to be arranged. Professor Eiesland.

192. **Linear and Quadratic Line Complexes.** Continuation of course 191. (72). (Omitted 1924-25).

Second semester; hours to be arranged. Professor Eiesland.

193. **Algebraic Geometry and Theory of Abelian Integrals.** (3 Hrs.) (79).

First semester; hours to be arranged. Professor Eiesland.

194. **Algebraic Geometry and Abelian Integrals.** (3 Hrs.) (70).

Second semester; hours to be arranged. Professor Eiesland.

MECHANICS.

Courses 70, 71, 72, and 73 are included in the list of Engineering subjects from which not to exceed 15 hours may be selected for credit in the College of Arts and Sciences. See announcements of the College of Engineering.

MINING ENGINEERING.

Credit will be given in the College of Arts and Sciences for course 98 in geological surveying offered in the College of Engineering. For detailed announcement of this course see the announcements of that college.

MUSIC.

Credit not to exceed fifteen hours in all will be given in the College of Arts and Sciences for courses in music offered in the School of Music. For detailed announcements of these courses see the announcements of the School of Music.

PHILOSOPHY AND PSYCHOLOGY.

Professors CUNNINGHAM and WINTER.

The work of the Department of Philosophy is intended to afford a means of culture and to serve as an organizing factor in general education.

The courses in psychology are planned (1) to meet the need of students who desire an acquaintance with the elementary principles of psychology and their relation to the larger social and scientific interests of modern life; (2) to prepare students for the application of those principles to philosophy, education and the sciences.

Students electing philosophy as the major subject must take at least 25 hours of work in the deparmtent, except that 20 hours will be accepted from those who elect law in the senior year or who elect ten or more hours in the Department of Education.

The first eight hours in the department must include one course in psychology and course 15 or its equivalent. This rule does not apply to pre-law students.

Philosophy.

2. **Logic.** (2 Hrs.) The application of the principles of reasoning to some of the physical and social sciences. For pre-legal students and others interested in elementary scientific method. Prerequisite: Psychology 1. (2).

First semester; T., Th., 8:00. Professor CUNNINGHAM, 36 L.

4. **Introduction to Philosophy.** (3 Hrs.) Not open to freshmen. A treatment of the problems of philosophy in their historical and social setting. Prerequisite: Psychology 1. (4).

Both semesters; M., W., F., 11:00. Professor CUNNINGHAM, 36 L.

6. **Logic.** (3 Hrs.) A study of the principles of deductive and inductive logic. Prerequisite: Psychology 1. (2).

Second semester; M., W., F., 8:00. Professor CUNNINGHAM, 36 L.

8. **The Development of Religion.** (2 Hrs.) A study of religion in its physical, psychological, and social backgrounds. Prerequisites: Psychology 1 and Philosophy 15 or Philosophy 2. (8).

Second semester; T., Th., 9:00. Professor CUNNINGHAM, 36 L.

11. **Ethics.** (3 Hrs.) A consideration of morality from the historical, theoretical, and practical standpoints. Prerequisites: Psychology 1 and Philosophy 15 or Philosophy 2. (5).

First semester; M., W., F., 9:00. Professor CUNNINGHAM, 36 L.

12. **Ancient and Medieval Thought.** (3 Hrs.) Open to seniors and graduate students. Prerequisites: Psychology 1, Philosophy 15, and Philosophy 2. (7).

First semester; M., W., F., 2:00. Professor CUNNINGHAM, 36 L.

13, (113). **Modern Thought.** (3 Hrs.) Open to seniors and graduate students. Prerequisites: Psychology 1, Philosophy 15, and Philosophy 2. (8).

Second semester; M., W., F., 9:00. Professor CUNNINGHAM, 36 L.

14, (114). **Contemporary Thought.** (2 Hrs.) Open to seniors and graduate students. The idealistic, the realistic, and the pragmatic types of thought are considered. Considerable knowledge of mathematics, physics, and biology desirable. Prerequisites: Psychology 1, Philosophy 15, and either Philosophy 2, 7, or 8. (9).

First semester; M., F., 10:00. Professor CUNNINGHAM, 36 L.

17, (117). **Metaphysics.** (2 Hrs.) Open to seniors and graduate students. A critical study of a selected system of thought. Prerequisites: Psychology 1, Philosophy 2, Philosophy 15, and one course from Philosophy 7, 8 and 9. (4).

Second semester; T., Th., 2:00. Professor CUNNINGHAM, 36 L.

Psychology.

1. **Introduction to Psychology.** (3 Hrs.) Not open to freshmen. This course is designed to familiarize the student with the principal phenomena and principles of mental life, and is prerequisite to all other courses in psychology and philosophy.

First and second semesters; section A, M., W., F., 8:00; section B, M., W., F., 9:00. Professor WINTER, 33 L.

10. **Applied Psychology.** (2 Hrs.) A study of the application of psychology to law, medicine, advertising, salesmanship, buying and personal efficiency. Prerequisite: Course 1. (20).

Second semester; T., Th., 11:00. Professor WINTER, 33 L.

12. **Experimental Psychology.** (2 Hrs.) This course gives the student a general acquaintance with experimental psychology. It includes lectures, collateral reading and experiments. Prerequisite: Course 1.

First and second semesters; T., Th., 2:00-4:00. Professor WINTER, 33 L.

16. **Social Psychology.** (3 Hrs.) A study of the psychological factors in social life, including an inquiry into the foundation for the divergent types of thinking in conflicting groups. Prerequisite: Course 1.

First semester; M., W., F., 11:00. Professor WINTER, 33 L.

29. **Abnormal Psychology.** (2 Hrs.) A study of the variants of normal consciousness in their relation to normal mental life. Prerequisite: Course 1. (Omitted in 1924-25).

Second semester; T., Th., 11:00. Professor WINTER, 33 L.

30, (130). **Advanced Psychology.** (3 Hrs.) Open to seniors and graduates. A critical constructive study of systematic psychology. Prerequisites: Courses 1 and 12. (18).

Second semester; M., W., F., 11:00. Professor WINTER, 33 L.

40, (140). **History of Psychology.** (2 Hrs.) Open to seniors and graduates. A survey of the development of psychological theory with special emphasis upon modern psychological problems. Prerequisites: Course 1 in psychology and courses 7 and 8 in philosophy. (19).

First semester; hours to be arranged. Professor WINTER, 33 L.

PHYSICAL EDUCATION FOR WOMEN.

Miss GRIFFIN.

1. **Physical Training and Hygiene.** (1 Hr.) Primarily for students who have had no previous physical training.

First semester; M., T., W., Th., F., 3:00; M., W., F., 4:00. Other hours to be arranged.

2. **Physical Training and Hygiene.** (1 Hr.)

Second semester; hours as in Course 1.

5. **Physical Training and Hygiene.** (1 Hr.) Prerequisite: Courses 1 and 2.

First semester; T., Th., 4:00; other hours to be arranged.

6. **Physical Training and Hygiene.** (1 Hr.)

Second semester; T., Th., 4:00; other hours to be arranged.

7. **Teaching of Physical Education.** (1 Hr.) Open to students who have completed one year of college physical education. The course is adapted to the needs of prospective teachers, playground instructors, and assistants in summer camp work.

First semester; M., W., F., 1:00.

8. **Teaching of Physical Education.** (1 Hr.)

Second semester; M., W., F., 1:00.

9. **Athletics** (no credit). Field hockey, basket ball, volley ball, baseball, tennis, track and field.

Hours to be arranged.

PHYSICS.

Professor Colwell, Professor Molby, Associate Professor George and Mr. Harry Hill.

The various courses offered in Physics are designed to meet the needs of the students in the Colleges of Arts and Sciences, Agriculture, and Engineering, and in the School of Medicine. For students who expect to teach Physics the laboratory offers facilities for individual laboratory work and the construction of apparatus.

1. **Introductory Physics.** (3 Hrs.) Primarily for freshmen. Required for students in the College of Agriculture and the School of Medicine. See Course 3 below. Prerequisite: plane geometry.

First semester; lectures, M., W., F., 8:00. Professor Molby and staff, 20 M.

2. **Introductory Physics.** (3 Hrs.) A continuation of Course 1 which is a prerequisite. See Course 4 below. (3).

Second semester; lectures, M., W., F., 8:00. Professor Molby and staff, 20 M.

3. **Introductory Physical Laboratory.** (1 Hr.) ..This course accompanies and is required of all students who take Course 1. One laboratory period per week. (2).

First semester; various sections as announced in the semester schedule. Professor Colwell and staff, 21 M.

4. **Introductory Physical Laboratory.** (1 Hr.) A continuation of Course 3, which is a prerequisite.

Second semester; various sections as announced in the semester schedule. Professor Colwell and staff, 21 M.

5. **General Physics.** (4 Hrs.) Required of all candidates for engineering degrees, and recommended for all students who major in physics, mathematics, or chemistry. Not open to students who have credit in Course 1. Prerequisites: trigonometry and analytic geometry. No student is permitted to take this course without its accompanying laboratory exercise, which is Course 7. (6).

First semester; section 1, T., W., Th., F., 9:00; Associate Professor George and staff; section 2, M., T., Th., F., 10:00; Professor Colwell and staff, 20 M.

6. **General Physics.** (4 Hrs.) A continuation of Course 5. Not open to students who have credit for Courses 1 and 2. No. student

is permitted to take this course without its accompanying laboratory exercise, which is Course 8. (8).

Second semester; section 1, T., W., Th., F., 9:00; Associate Professor GEORGE and staff; section 2, M., T., Th., F., 10:00; Professor COLWELL and staff, 20 M.

7. **General Physical Laboratory.** (1 Hr.) This is a companion course for Physics 5.

First semester; various sections as announced in the semester schedule. Professor COLWELL and staff, 21 M.

8. **General Physical Laboratory.** (1 Hr.) A continuation of Course 7.

Second semester; various sections as announced in semester schedule. Professor COLWELL and staff, 21 M.

13. **Introductory Radio-Telegraphy and Radio-Telephony.** (3 Hrs.) Prerequisites: Physics 1, 2, 3, and 4, or the equivalent.

First semester; M., W., F., 8:00. Professor COLWELL, 16 M.

14. **Introductory Radio-Telegraphy and Radio-Telephony.** (3 Hrs.) A continuation of Course 13 which is prerequisite.

Second semester; M., W., F., 8:00. Professor COLWELL, 16 M.

16. **Photography.** (2 Hrs.) Open to all students of the University. One lecture and one laboratory exercise a week. (12).

Second semester; lectures, Th., 4:00; laboratory hours to be arranged. Professor MOLBY, 20 M.

17. **General Laboratory.** (2 Hrs.) This course is designed to meet the needs of students who desire more laboratory work than that offered in Physics 3, 4, 7, and 8. Prerequisites: either courses 3 and 4 or courses 7 and 8. (14).

First semester; hours to be arranged. Professor MOLBY.

18. **General Laboratory.** (2 Hrs.) Same as Course 17.

Second semester; hours to be arranged. Professor MOLBY.

21, (121). **Light.** (3 Hrs.) Lectures and laboratory work. This course is designed to meet the needs of students in general biology, chemistry and medicine. Prerequisites: Physics 1, 2, 3, 4, and trigonometry, or physics 5, 6, 7 and 8. Open to graduates as a minor. (9).

First semester; M., F., 10:00; laboratory hours to be arranged. Professor MOLBY, 16 M.

23. Electrical Measurements. (3 Hrs.) This course is designed for and required of the candidates for the degree of B.S.M.E. and B.S.Chem.E. Prerequisites: Physics 1, 2, 3, 4 or 5, 6, 7 and 8, and integral calculus. (10).

First semester; lectures, T., Th., 11:00; laboratory, W., 2:00-5:00. Professor Colwell, 16 M. and 5 M.

24, (124). Radio-Telegraphy and Radio- Telephony. (4 Hrs.) Open to seniors. Elective for seniors in electrical engineering. Students spend one evening (8:00-11:00) each week in the laboratory in addition to the regular required laboratory work. Prerequisites: Physics 1, 2, 3, and 4 or its equivalent and integral calculus. (11).

Second semester; T., Th., 11:00; laboratory, W., 2:00-5:00. Professor Colwell, 16 M.

25, (125). Modern Electrical Theory. (3 Hrs.) Designed especially for students majoring in the natural sciences. Open to all seniors. Prerequisites: Physics 1, 2, 3, and 4 or 5, 6, 7, and 8.

First semester; M., W., F., 11:00. Associate Professor George, 15 M.

26, (126). Modern Electrical Theory. (3 Hrs.) Continuation of Course 25.

Second semester; M., W., F., 11:00. Associate Professor George, 15 M.

31, (131). Theoretical Mechanics. (3 Hrs.) Open to seniors. Prerequisites: Physics 1, 2, 3, and 4 or 5, 6, 7, and 8, and integral calculus. (16).

First semester; hours to be arranged. Associate Professor George, 15 M.

32, (132). Heat and Wave Motion. (3 Hrs.) Open to seniors. Prerequisites: Physics 23 and integral calculus. (18).

Second semester; hours to be arranged. Associate Professor George, 15 M.

33, (133). Electricity and Magnetism. (3 Hrs.) Open to seniors. Prerequisites: Physics 5, 6, 7, and 8 and integral calculus. (20).

First semester; hours to be arranged. Professor Colwell, 16 M.

34, (134). Electricity and Magnetism. (3 Hrs.) A continuation of Course 33, which is prerequisite. (21).

Second semester; hours to be arranged. Professor Colwell, 16 M.

41, 43, 45, 47, (141, 143, 145, 147). Physics Seminar. (1 Hr.) Open to seniors and graduates. A discussion of the modern researches in Physics. (22).

First semester; hours to be arranged. Professor COLWELL, 16 M.

42, 44, 46, 48, (142, 144, 146, 148). Physics Seminar. (1 Hr.) Similar to Course 41. (23).

Second semester; hours to be arranged. Professor COLWELL, 16 M.

49, (149). Intermediate Laboratory. (2 Hrs.) Open to seniors who major in Physics. Prerequisites: 5, 6, 7, and 8.

First semester; hours to be arranged. Professor COLWELL.

50, (150). Intermediate Laboratory. (2 Hrs.) A continuation of Course 49.

Second semester; hours to be arranged. Professor COLWELL.

181. Physical Optics. (3 Hrs.) (30).

First semester; hours to be arranged. Professor MOLBY, 21 M.

182. Physical Optics. (3 Hrs.) (31).

Second semester; hours to be arranged. Professor MOLBY, 21 M.

183. Kinetic Theory of Gases and Molecular Physics. (3 Hrs.) (32).

First semester; hours to be arranged. Professor COLWELL, 16 M.

184. Kinetic Theory of Gases an d Molecular Physics. (3 Hrs.) (33).

Second semester; hours to be arranged. Professor COLWELL, 16 M.

185. The Electron Theory. (3 Hrs.) (34).

First semester; hours to be arranged. Associate Professor GEORGE, 15 M.

186. The Electron Theory. (3 Hrs.) Continuation of Course 185. (35).

Second semester; hours to be arranged. Associate Professor GEORGE, 15 M.

187. Radio-Activity. (3 Hrs.) (36).

First semester; hours to be arranged. Professor MOLBY, 16 M.

188. Radio-Activity. (3 Hrs.) Continuation of Course 187. (37).

Second semester; hours to be arranged. Professor MOLBY, 16 M.

189. Conduction of Electricity Through Gases. (3 Hrs.) (38).

First semester; hours to be arranged. Associate Professor George, 20 M.

190. Conduction of Electricity Through Gases. (3 Hrs.) Continuation of Course 189. (39).

Second semester; hours to be arranged. Associate Professor George, 20 M.

191. Electric Waves. (3 Hrs.)

First semester; hours to be arranged. Professor Colwell, 16 M.

192. Electric Waves. (3 Hrs.) Continuation of Course 191.

Second semester; hours to be arranged. Professor Colwell, 16 M.

193. Experimental Research. (Credit according to work done but not to exceed 10 hours in all). Required of all candidates for master of arts degree with major in physics. (40).

First semester; hours to be arranged. Professor Colwell, 16 M.

194. Experimental Research. Continuation of Course 193. (40).

Second semester; hours to be arranged. Professor Colwell, 16 M.

NOTE: Not more than one of the purely graduate courses offered by any one instructor will be given in any one semester.

It is highly desirable that candidates for the master's degree should have a reading knowledge of both French and German.

PLANT PATHOLOGY.

Courses 1 and 4 in Plant Pathology are included in the list of Agricultural courses from which not to exceed 15 hours may be selected for credit in the College of Arts and Sciences. See announcements of the College of Agriculture.

POULTRY HUSBANDRY.

Poultry Husbandry 1 is included in the list of Agricultral subjects from which not more than 15 hours may be selected for credit in the College of Arts and Sciences. See announcements of the College of Agriculture.

PUBLIC SPEAKING.

Professor KAY, Mrs. FEAR, Mr. BUCHANAN.

Fundamentals.

1. General Course. (2 Hrs.) This course or its equivalent is a prerequisite for all subsequent courses. (3).

First semester; T., Th., 9:00, 1:00; M., F., 10:00. Mrs. FEAR, 34 M.

Second semester; T., Th., 9:00; M., F., 10:00. Mrs. FEAR, 34 M.

3. Declamation. (2 Hrs.) (4).

First semester; T., Th., 9:00; 10:00.

Second semester; T., Th., 9:00. Mr. BUCHANAN.

5. Forensics. (2 Hrs.) For pre-law students.

First semester; M., F., 10:00. Mr. BUCHANAN.

6. Impersonation. (2 Hrs.) Prerequisite for Courses in Play production. (6).

Second semester; T., Th., 10.00. Mrs. FEAR, 33 M.

Original Address.

11. Effective Speaking. (3 Hrs.) (12).

Both semesters; M., W., F., 8:00, 9:00. Mr. BUCHANAN.

13. Argumentation. (3 Hrs.) (14).

Both semesters; M., W., F., 9:00. Professor KAY, 33 M.

15. The Occasional Address. (2 Hrs.) (13).

First semester; T., Th., 10:00. Professor KAY, 33 M.

16. The Oration. (2 Hrs.) Juniors, seniors and graduates. (16).

Second semester; M., F., 10:00. Mr. BUCHANAN, 34 M.

17. The Extemporaneous Address. (2 Hrs.) Juniors and seniors. (10).

First semester; T., Th., 11:00. Professor KAY, 33 M.

18. The Public Discussion. (2 Hrs.) Juniors and seniors. (11).

Second semester; T., Th., 11:00. Professor KAY, 33 M.

20. Debating. (2 Hrs.) (15).

Second semester; M., W., 4:00. Professor KAY.

Literary Interpretation.

21. The Art of Reading Aloud. (3 Hrs.) (21).
First semester; M., W., F., 11:00. Mrs. FEAR, 34 M.

22. Reading Poetry. (3 Hrs.) Juniors, seniors and graduates. (22).
Second semester; M., W., F., 11:00. Professor KAY, 33 M.

23. Reading Plays. (3 Hrs.) Juniors, seniors and graduates. (22).
First semester; M., W., F., 11:00. Professor KAY, 33 M.

24. How to Teach Reading in the Public Schools. (2 Hrs.) Seniors and graduates.
Second semester; T., Th., 10:00. Professor KAY, 33 M.

25. The Art of Story Telling. (2 Hrs.) (20).
Both semesters; T., Th., 11:00. Mrs. FEAR.

27. Professional Reading. (2 Hrs.) For senior Public Speaking majors only.
Both semesters; hours to be arranged.

Play Production.

31. The One-act Play. (3 Hrs.) (23).
First semester; M., W., F., 2:00. Mrs. FEAR, 34 M.

32. The Actional Study of Classic Drama. (3 Hrs.)
Second semester; M., W., F., 2:00. Mrs. FEAR, 34 M.

33. Coaching and Managing Plays. (2 Hrs.)
First semester; T., Th., 1:00. Mr BUCHANAN.

34. The Actional Study of Modern Drama. (3 Hrs.) (24).
Second semester; (not offered in 1925-26).

36. Community Drama and Pageantry. (3 Hrs.)
Second semester; M., W., F., 11:00. Mr. BUCHANAN.

Extra Curricular Credit.

A credit of 1 or 2 hours in a semester may be given by the head of the department for such outside activity as intercollegiate debating, taking part in the public performance of a major play when the work done has been assigned and supervised by an instructor in the department.

ROMANCE LANGUAGES AND LITERATURES.

Professors STATHERS, Professor DARBY, Associate Professor SPIKER, Assistant Professor MILLER, Assistant Professor MITRANI, Mr. GRIMES, Mr. MCGEE, Mr. BROWN, Mr. BARKER.

French.

1. Elementary French. (5 Hrs.) Primarily for freshmen.

First semester; sections at 8:00, 9:00, 11:00 and 2:00. Professor DARBY, Mr. MCGEE, Mr. BARKER.

2. Intermediate French. (5 Hrs.) Primarily for freshmen. A continuation of Course 1.

Second semester; sections at 8:00, 9:00, 11:00 and 2:00. Professor DARBY, Mr. MCGEE, Mr. BARKER.

3. Grammar Review and Composition. (2 Hrs.) For freshmen and sophomores. Given in connection with Course 5.

First semester; sections T., Th., at 8:00, 9:00, 11:00 and 2:00. Professor DARBY, Assistant Professor MILLER, Mr. MCGEE, Mr. BARKER.

4. Advanced Grammar and Composition. (2 Hrs.) For freshmen and sophomores. Given in connection with Course 6. (4).

Second semester; sections T., Th., at 8:00, 9:00, 11:00 and 2:00. Professor DARBY, Assistant Professor MILLER, Mr. MCGEE, Mr. BARKER.

5. Fiction of the 19th Century. (3 Hrs.) For freshmen and sophomores. (3).

First semester; sections M., W., F., at 8:00, 9:00, 11:00 and 2:00. Professor DARBY, Associate Professor SPIKER, Mr. MCGEE, Mr. BARKER.

6. Drama of the 19th Century. (3 Hrs.) For freshmen and sophomores.

Second semester; sections, M., W., F., at 8:00, 9:00, 11:00 and 2:00. Professor DARBY, Associate Professor SPIKER, Mr. MCGEE, Mr. BARKER.

13. Syntax and Conversation. (2 Hrs.) For sophomores and juniors. (9).

First semester; T., Th., 9:00. Professor STATHERS, 11 W.

14. Advanced Discourse. (2 Hrs.) For sophomores and juniors. (10).

Second semester; T., Th., 9:00. Professor STATHERS, 11 W.

15. The Classical School. (3 Hrs.) For sophomores and juniors. (7).

First semester; sections, M., W., F., at 8:00, 9:00 and 11:00. Professor Darby, Associate Professor Spiker, Assistant Professor Miller.

16. The Classical School after Moliere. (3 Hrs.) For sophomores and juniors. (8).

Second semester; sections, M., W., F., at 8:00, 9:00 and 11:00. Professor Darby, Associate Professor Spiker, Assistant Professor Miller.

21, (121). The Romantic Movement. (3 Hrs.) For juniors, seniors and graduates. (11).

First semester; M., W., F., 11:00. Professor Stathers, 11 W.

22, (122). French Literature Since 1850. (3 Hrs.) For juniors, seniors and graduates. (12).

Second semester; M., W., F., 11:00. Professor Stathers, 11 W.

23, (123). The Contemporary Drama. (2 Hrs.) For juniors, seniors and graduates. (17).

First semester; T., Th., 9:00. Professor Darby, 14 W.

24, (124). Historical Novel in the 19th Century. (2 Hrs.) For juniors, seniors and graduates. (18).

Second semester; T., Th., 9:00. Professor Darby, 14 W.

29, (129). Literature of the 16th Century. (2 Hrs.) For seniors and graduates. (20).

First semester; T., Th., 8:00. Professor Spiker, 13 W.

30, (130). The 16th Century after 1550. (2 Hrs.) For seniors and graduates. (20).

Second semester; T., Th., 8:00. Associate Professor Spiker, 13 W.

31, (131). Advanced Composition and Phonetics. (2 Hrs.) For seniors and graduates. (16).

First semester; T., Th., 11:00. Professor Stathers, 11 W.

32, (132). Problems in Teaching French. (2 Hrs.) For seniors and graduates. (16).

Second semester; T., Th., 11:00. Professor Stathers, 11 W.

195. Seminar. (2-5 Hrs.) For graduates.

First semester; hour to be arranged. Professor Stathers, 11 W.

196. Seminar. (2-5 Hrs.) For graduates.

Second semester; hour to be arranged. Professor Stathers, 11 W.

Spanish.

1. Elementary Spanish. (5 Hrs.) For freshmen and sophomores. (41).

First semester; sections at 8:00, 9:00, 10:00, (except on Wednesdays), 11:00 and 2:00. Associate Professor SPIKER, Assistant Professor MILLER, Mr. GRIMES, Mr. BROWN.

2. Intermediate Spanish. (5 Hrs.) For freshmen and sophomores. (52).

Second semester; sections at 8:00, 9:00, 10:00, (except on Wednesdays), 11:00 and 2:00. Associate Professor SPIKER, Assistant Professor MILLER, Mr. GRIMES, Mr. BROWN.

3. Grammar Review and Composition. (2 Hrs.) For freshmen and sophomores. Given in connection with Course 5.

First semester; sections, T., Th., 8:00, 9:00, 10:00 and 11:00. Associate Professor SPIKER, Mr. GRIMES, Mr. BROWN.

4. Advanced Grammar and Composition. (2 Hrs.) For freshmen and sophomores. Given in connection with Course 6. (46).

Second semester; sections T., Th., 8:00, 9:00, 10:00 and 11:00. Associate Professor SPIKER, Mr. GRIMES, Mr. BROWN.

5. Contemporary Fiction. (3 Hrs.) For freshmen and sophomores. (50).

First semester; sections M., W., F., 8:00, 9:00, 11:00. Assistant Professor MILLER, Mr. GRIMES, Mr. BROWN.

6. Drama of the 19th Century. (3 Hrs.) For freshmen and sophomores. (45).

Second semester; sections M., W., F., 8:00, 9:00, 11:00. Assistant Professor MILLER, Mr. GRIMES, Mr. BROWN.

13. Syntax and Conversation. (2 Hrs.) For sophomores and juniors. (Omitted, 1925-26). (53).

First semester; M., F., 10:00. Assistant Professor MITRANI.

14. Composition and Conversation. (2 Hrs.) For sophomores and juniors. (Omitted, 1925-26). (54).

Second semester; M., F., 10:00. Assistant Professor MITRANI.

15, (115). Lyric Poetry. (3 Hrs.) For juniors, seniors, and graduates. (Omitted, 1925-26).

First semester; M., W., F., 8:00. Assistant Professor MITRANI.

16, (116). Civilization and Culture. (3 Hrs.) For juniors, seniors and graduates. (Omitted, 1925-26).

Second semester; M., W., F., 8:00. Assistant Professor MITRANI.

21, (121). **Literature of the Golden Age.** (3 Hrs.) For seniors and graduates. (43).

First semester; M., W., F., 9:00. Professor Stathers, 11 W.

22, (122). **The Golden Age after Lope de Vega.** (3 Hrs.) For seniors and graduates. (43).

Second semester; M., W., F., 9:00. Professor Stathers, 11 W.

23, (123). **Spanish American Literature.** (2 Hrs.) For seniors and graduates. (Omitted, 1925-26). (51).

First semester; T., Th., 8:00. Assistant Professor Mitrani.

24, (124). **Spanish American Literature.** (2 Hrs.) For seniors. A continuation of Course 23. (Omitted, 1925-26). (52).

Second semester; T., Th., 8:00. Assistant Professor Mitrani.

195. **Literature of the 16th Century.** (3 Hrs.) (Omitted, 1925-26).

First semester; M., W., F., 9:00. Professor Stathers, 11 W.

196. **Old Spanish.** (3 Hrs.) (Omitted, 1925-26). (48).

Second semester; M., W., F., 9:00. Professor Stathers, 11 W.

SOILS.

Course 1 in Soil Fertility is included in the list of Agricultural subjects from which not to exceed 15 hours may be selected for credit in the College of Arts and Sciences. See announcements of the College of Agriculture.

STEAM, GAS AND EXPERIMENTAL ENGINEERING.

Course 121 in Thermodynamics and course 127 in heating and ventilating are included in the list of Engineering subjeccts from which not to exceed 15 hours may be selected for credit in the College of Arts and Sciences. See announcements of the College of Engineering.

ZOOLOGY.

Professor REESE, Professor CHIDESTER and Assistant Professor TAYLOR.

Courses 1, 2, 18 and 10 are of especial interest to teachers. Courses 1 and 2 are required of students preparing to enter the study of medicine; Course 4 is required of students in agriculture.

NOTE: For description of zoological laboratories see page 27 of the University catalogue.

1. **Animal Biology.** (4 Hrs.) A study chiefly of invertebrate animals, with an introduction to the vertebrates. Hegner's College Zoology.

First semester; recitation, T., Th., 8:00 or T., Th., 9:00; laboratory, first section, M., F., 2:00-4:30; second section, T., Th., 2:00-4:30; third section, W., 2:00-4:30; S., 9:00-11:30. Professor REESE, Professor CHIDESTER and Assistant Professor TAYLOR, 49, 50 and 51 W.

2. **Vertebrate Zoology.** (4 Hrs.) Prerequisite: Zoology 1 or an equivalent.

Second semester; recitation T., Th., 8:00, or T., Th., 9:00; laboratory, first section, M., F., 2:00-4:30; second section, T., Th., 2:00-4:30; Professor REESE, Professor CHIDESTER and Assistant Professor TAYLOR, 49, 50 and 51 W.

4. **Elementary Zoology.** (5 Hrs.) For students in the College of Agriculture only. Hegner's College Zoology. (24).

Second semester; recitations, M., W., F., 8:00; laboratory, W., 2:00-4:30; S., 9:00-11:30. Professor CHIDESTER and assistants.

7. **Vertebrate Embryology.** (3 Hrs.) Reese's Vertebrate Embryology. Prerequisite: Course 2 or an equivalent. (6).

First semester; T., Th., 2:00-5:00. Professor REESE, 47 W.

10, (110). **Principles of Biology.** (3 Hrs.) Newman's Evolution, Genetics and Eugenics. Prerequisite: Zoology 1 or an equivalent, except by special permission.

Second semester; M., W., F., 9:00. Professor CHIDESTER, 46 W.

16. **Economic Zoology.** (2 Hrs.) Reese's Economic Zoology. Zoology 1 and 2 advised as prerequisite, but not required of upper classmen. (21).

Second semester; T., Th., 11:00. Professor REESE, 46 W.

18. **Methods of Zoology.** (2 or 3 Hrs.) A practical course in the methods of collecting, preserving, injecting, making microscopic preparations, etc. Guyer's Animal Micrology. Prerequisite: Courses 1 and 2 or an equivalent. (9).

Second semester; W., 2:00-5:00; S., 8:30-11:30. Assistant Professor TAYLOR, 47 W.

25. **Limnology.** (2 Hrs.) Primarily for sophomores in the course in public health. A combination course offered by the departments of Botany and Zoology.

First semester; hours to be arranged. Professor CHIDESTER and others.

26S. **Advanced Limnology.** (2 Hrs.) A continuation of Zoology 25. The course consists mainly of field work.

Summer session; hours to be arranged. Professor CHIDESTER and others.

31, 32, 33, (131, 132, 133). **Comparative Anatomy, Histology and Embryology...** (3-4 Hrs. per semester.) Advanced courses; to be taken ordinarily after most of the preceding courses have been completed. (15).

First semester; M., F., 2:00-5:00. Professor CHIDESTER, 47 W.

40, (140). **Current Literature.** (1 Hr.) Open to seniors only. (19).

First and second semesters; hours to be arranged. Professor REESE, 47 W.

Graduate Courses.

181, 182, 183, 184, 185. **Comparative Anatomy, Histology and Embryology.** (1-5 Hrs. per semester.)

First and second semesters; hours to be arranged. (23). Professor REESE, Professor CHIDESTER and Assistant Professor TAYLOR, 47 W.

190, 191, 192, 193, 194, 195. **Research Work.** (1-5 Hrs. per semester.)

First and second semesters; hours to be arranged. (20). Professor REESE, Professor CHIDESTER and Assistant Professor TAYLOR, 47 W.

NOTE:—For courses in entomology and genetics see announcement of courses offered in the College of Agriculture.

COURSE IN PUBLIC HEALTH.

The object of the four-year course in public health is to prepare men to take charge of municipal health laboratories, become executive secretaries of health units, and act as sanitarians and health officers.

The curriculum includes fundamental courses in chemistry and biology, together with such engineering and medical subjects as peculiarly apply to sanitary science. Not the least important feature is the inclusion of practical field work under the direction of the State Department of Health. The degree of Bachelor of Science in Public Health will be conferred upon students who satisfactorily complete one hundred and forty-two hours of college work as set forth in the curriculum on the following page. Candidates for this degree will register in the College of Arts and Sciences with a member of the Department of Zoology as class officer.

Graduates in this course are qualified to enter a school of medicine or to take up specialized graduate study.

ENTRANCE REQUIREMENTS.

For admission to the course in Public Health, the candidate must have credit, obtained by examination or on certificates, for fifteen units of secondary school work, i. e., the work of a standard four-year high school.

A. The following groups are required:
   (1) Four units of English.
   (2) Three units of Mathematics.
   (3) Two units of either French or German.
   (4) Two units in a fourth subject.
   (5) Four units elective.

B. The Mathematics indicated in A must include one and one-half units of algebra, one unit of plane geometry and one-half unit of solid geometry.

C. Work in the subjects listed under (B) on page — of the University catalogue, not to exceed the number of units placed after each subject, will be accepted.

UNDERGRADUATE CURRICULUM IN PUBLIC HEALTH

Leading to the Degree of Bachelor of Science in Public Health.

First Year, First Semester.			First Year, Second Semester.		
Comp. & rhet. (Eng. 1)	3		Comp. & rhet. (Eng. 2)	3	
French or German	5		French or German	5	
Inorganic Chem. (Chem. 1)	4		Inorganic Chem. (Chem. 2)	4	
Advanced Algebra (Math. 3)	3		Trigonometry (Math. 4)	2	
Hygiene and Sanitation[1]	1		Mechanical Drawing (Dr. 23 Eng'g.)	2	
Military Science	1	17	Military Science	1	17

Summer—Field Practice 1 (State Department of Health) Credit 2.

Second Year, First Semester.			Second Year, Second Semester.		
English Literature (Eng. 3)	2		English Literature (Eng. 4)	2	
Qualitative Anaylsis (Chem. 5)	4		Quantitative Analysis (Chem. 6)	4	
Mathematics 29	3		General Entomology (Ent. 1)	4	
Animal Biology (Zool. 1)	4		Vertebrate Zoology (Zool. 2)	4	
Limnology (Zool. 25)	2		Economic Zoology (Zool. 16)	2	
Elective	1		Military Science	1	17
Military Science	1	17			

Summer—Field Practice 2 (State Department of Health) Credit 1.

Limnology (Zool. 26) one hundred hours in the field and laboratory 1.

Third Year, First Semester.			Third Year, Second Semester.		
Medical Bacteriology 3	5		Parisitology (Bact. Med.)	3	
Physics (1 and 3)	4		Physics (2 and 4)	4	
Organic Chemistry (Chem. 33)	5		Physiology (Pharm.)	4	
Epidemiology[1]	2		General Geology (Geol. 2)	3	
Insects and disease (Ent. 6)	1	17	Geol. Laboratory (Geol. 21)	1	
			Physical Chemistry (Chem. 63)	2	17

Summer—Field Practice 3 (State Department of Health) together with Public Health Law and Administration. Credit.....2

Fourth Year, First Semester.			Fourth Year, Second Semester.		
Water Supply (Str. E. 159)	3		Sanitary Eng'g. (Str. E. 160)	2	
Hygiene (Bact. 5)	2		St. and Mun. Lab. Meth. (Bact. 17)	2	
Water Ex. and Purif. (Ch. Eng. 187)	2		Biochemistry (Phys. Ch. 10)	5	
Psychology 1	3		Principles of Biology (Zool. 10)	3	
Elem. of Sociology (Soc. 1)	3		Principles of Ch. Welfare (Soc. 8)	2	
Market Milk (Dairy Hus. 27)	2		Municipal Government (Hist. 40)	3	17
Elective	2	17			

The College of Engineering and Mechanic Arts

THE FACULTY

FRANK BUTLER TROTTER, A.M., L.L.D., *President of the University*

CLEMENT ROSS JONES, B.S.C.E., M.M.E., *Dean and Professor of Power Engineering*

RUSSELL LOVE MORRIS, C.E., *Professor of Railway and Highway Engineering*

ROLAND PARKER DAVIS, PH.D., *Professor of Structural and Hydraulic Engineering*

JOHN BEHNY GRUMBEIN, M.M.E., *Professor of Steam and Experimental Engineering*

ALEXANDER HARDIE FORMAN, M.M.E., PH.D., *Professor of Electrical Engineering*

ALFRED COPELAND CALLEN, E.M., M.S.,[1] *Professor of Mining Engineering and Director of Mining Extension*

LESLIE DAVID HAYES, B.S., M.E., *Professor of Machine Design and Construction*

GEORGE PAUL BOOMSLITER, M.S., *Professor of Mechanics*

JAMES HERBERT GILL, B.M.E., M.E., *Professor of Machine Construction and Superintendent of Shops*

WILLARD WELLINGTON HODGE, M.A., *Professor of Chemical Engineering*

EDWARD SILVER MACLIN, B.S.E., *Professor of Industrial Education*

ARTHUR ADAMS HALL, B.S.M.E., *Professor of Electrical Engineering*

CHARLES ELMER LAWALL, E.M., M.S., *Associate Professor of Mining Engineering, Director of Mining Extension*

GEORGE WALTER GROW, B.S.M.E., M.S., *Assistant Professor of Drawing and Machine Design*

CAMDEN PAGE FORTNEY, B.S.C.E., *Chief Engineer, State Road Commission, Director of School of Good Roads*

BENNETT SEXTON WHITE, B.S.M.E., *Assistant Professor of Drawing and Machine Design*

[1]Resigned September 1, 1924.

CARL HENRY CATHER, M.S.M.E., *Assistant Professor of Mechanics*

WALTER ALLOS KOEHLER, CH.E., PH.D., *Assistant Professor of Chemical Engineering*

THOMAS FRASER, E.M., *Assistant Professor of Mining Engineering*

RUFUS ASA WEST, *Instructor in Metalworking*

RAYMER EGBERT SEAMAN, *Instructor in Woodworking and Foundry Practice*

HAROLD MALCOLM CATHER, M.S.M.E., *Instructor in Drawing and Machine Design*

WILLIAM JOHN CARL, *Instructor in Foundry Practice*

WILLIAM OLIVER GNAGEY, *Instructor in Machine Shop Practice*

ROY EZEKIEL NELSON, B.S.C.E., *Instructor in Surveying*

ALFRED BEVERLY SCOTT, *Instructor in Mechanical Drawing*

LEWIS VAN CARPENTER, B.S.C.E., *Instructor in Structural and Hydraulic Engineering*

LEE LEONARD AMIDON, B.S.M.E., *Instructor in Steam and Experimental Engineering*

TOM COX LLOYD, B.S.E.E., *Instructor in Electrical Engineering*

HERMAN DELOSS STILLMAN, *Assistant in Woodworking*

EVERLY CALVERT, *Assistant in Machine Shop*

WAYNE ZEARLEY FRIEND, B.S.CH.E, *Research Fellow, Assistant in Chemical Engineering*

KENNETH DEAHL, *Student Assistant in Surveying*

GEORGE ALVIN STEIN, *Student Assistant in Chemical Engineering*

CHARLES MICHAEL RUNNER, *Stationary Engineer*

LILLIAN KATHRYN HALL, *Secretary*

ADAM CRAWFORD, *Assistant Director of Mining Extension*

JOSEPH HUNTER HASKELL, *Instructor in Mining Extension*

JULIAN PAUL MADDEN, *Instructor in Mining Extension*

RAY HEWETT MAGEE, *Instructor in Mining Extension*

RAYMOND JONES TITTERINGTON, *Instructor in Mining Extension*

EUGENE WILLIAM BELL, *Instructor in Mining Extension*

THOMAS JOHN BINNS, *Instructor in Mining Extension*

WINFREE LLOYD ARRINGTON, *Instructor in Mining Extension*

JAMES STANLEY POUNDSTONE, *Instructor in Mining Extension*

WALTER SCOTT MOORE, B.S.E.M., *Local Instructor (Widen, W. Va.) in Mining Extension*

FACULTY COMMITTEES

STUDENTS' COURSES AND HOURS: Dean JONES and Professors GRUMBEIN and FORMAN.

ENGINEERING CURRICULA: Dean JONES, Professors DAVIS, FORMAN, HAYES, HODGE, MACLIN and Associate Professor LAWALL.

ENGINEERING SOCIETY: Professors GRUMBEIN, MORRIS, FORMAN, BOOMSLITER, HAYES, HODGE and Associate Professor LAWALL.

LIBRARY: Professors DAVIS and HAYES.

ORGANIZATION

The College of Engineering contains the following departments:

Chemical engineering.

Electrical engineering.

Machine design and construction.

Mechanics.

Mining engineering.

Railway and highway engineering and surveying.

Steam, gas, and experimental engineering.

Structural and hydraulic engineering.

Industrial education.

Short course in coal mining.

School of good roads.

Mining extension.

BUILDINGS AND EQUIPMENT

All instruction in engineering subjects is centralized in Mechanical Hall. This building is located on the southeast corner of the campus and fronts on the athletic field.

In this building are the offices, recitation and lecture rooms, general departmental drawing rooms, the shops, laboratories and museums of the College of Engineering; recitation, laboratory and model rooms for the department of geology; offices and drawing rooms for the Division Engineer and the Testing Engineer of the State Road Commission and offices for the State Geological Survey.

In the drawing rooms are collections of models of structures, mechanisms, charts, state and government maps, surveys, photographs, engineering specifications, drawings, tracings and blue prints. In connection with the drawing rooms there are blue printing and photographic rooms equipped with electric and sun printing apparatus, photostat and photographic outfit.

The shops consist of a woodworking shop, forge shop, foundry, machine shop, sheet metal shop, pipe fitting shop, automobile repair shop and acetylene welding plant. Each workshop occupies a separate room and is independently equipped, with suitable benches, measuring instruments, tools, shop appliances and machines, such as are ordinarily installed in the larger engineering colleges and commercial shops.

A variety of semi-automatic and full automatic machines provides unusual opportunity for the student of modern production methods.

The power plant equipment consists of different types of steam and gas engines, direct connected or belted to electric generators; a 100 K. W. Westinghouse condensing steam turbine direct-connected to a direct current generator; a 125 horse power Skinner Universal unaflow steam engine, direct connected to a 240 volt, three phase alternator; a 50 h. p. motor-generator set; a 150 B. H. P. steam boiler, equipped with a Green chain grate stoker and induced draft; an independently fired superheater equipped with temperature controller; pumps, condensers, air compressors, steam traps and other auxiliary apparatus, providing the means for furnishing any desired kind of power.

The engineering laboratories are supplied with standard gauges, measuring, calculating, and recording instruments; apparatus and appliances for qualitative and quantitative experimental work in civil, mechanical, steam, hydraulic, electrical, chemical, and mining engineering.

The testing laboratory is equipped with apparatus and machines for testing cement, iron, steel, brick, stone, and other materials of engineering. The principal machines and apparatus are an Olsen

testing machine of 400,000 pounds capacity, taking tension and compression specimens up to six feet, and beams up to sixteen feet in length; a 50,000 pound Riehle testing machine; a 20,000 pound Riehle automatic and autographic testing machine; a 10,000 pound Olsen transverse testing machine; a 60,000 inch-pound Riehle-Miller torsion machine; one Olsen and two Fairbanks cement testers; Brinnell and Shore hardness testers; a standard abrasion cylinder; a stone saw; besides smaller apparatus for testing cement, lubricating oils, and extension and deflection of materials.

The mechanical and steam laboratories contain small steam and gas engines, a compound air compressor with electrical and mechanical control, Westinghouse air brake apparatus, dynamometers, friction brakes, condensers, injectors and ejectors, steam and gas engine indicators, revolution counters, plani-meters, anemometers and apparatus for testing pressure gauges, indicator springs, thermometers, Venturi meters and nozzles for measuring flow of air and steam, etc. These are supplemented by the power plant equipment previously described, which affords facilities for steam and gas engine trials and boiler tests with larger units, and also provides facilities for various lines of experimental investigation.

In addition to the larger generating and control units in the power plant, the electrical laboratory is provided with a number of compound, shunt and series wound direct current generators and motors, ranging from fractional-horsepower motors to 20-kilowatt generators, single and poly-phase alternating current generators and motors of frequencies from 20 to 133 cycles and capacities ranging from fractional-horsepower motors to 20-kilowatt generators; rotary-converter and motor generator sets; rectifiers, storage batteries, speed regulating and controlling apparatus; reactances, auto, constant voltage and constant current transformers, Tesla transformers and other experimental apparatus for demonstrating many of the principles of electricity; instruments and accessories such as tachometers, slip meters, frequency meters, etc.; a G. E. oscillograph; telephone equipment including two magneto P. B. exchanges and a circuit model of the common battery exchange; a Macbeth illuminometer; laboratory precision standards for calibration of D. C. and A. C. instruments; electric railway equipment consisting of a truck, motors, air brake equipment, three types of control equipment and a switchboard panel with indicating and recording instruments.

The hydraulic laboratory equipment consists of a compound duplex steam pump supplying water to a closed steel pressure tank, from which run headers arranged for insertion of orifices, nozzles, and pipes supplying the various hydraulic motors; concrete storage tanks, measuring tanks and weighing scales; cascade water wheel;

Venturi meter, water meter steel weir-box weir-gauges, and other minor measuring and controlling apparatus.

The road material testing laboratory equipment consists of standard abrasion cylinder for testing paving brick; a standard three-gang motor driven Deval abrasion cylinder; motor driven ball mill; briquette machine; core drill; motor driven grinding lap and stone saw; motor driven "Dorry" hardness testing machine; standard Page impact tester, with anvil for cementation tests; road-making tools. Braun planetary pulverizer; Dulin roterex; motor driven sieve shaker, etc.

The mining laboratory is equipped with drills, coal cutting machinery, air receiver, etc.; leading types of mining rescue apparatus, pulmotor, smoke chamber for use in training with rescue apparatus, devices for demonstrating the explosibility of coal dust, the William Clifford-James T. Beard collection of safety lamps, device for showing the length of cap with varying percentages of methane in mine air, models showing methods of working anthracite and bituminous seams of coal, small mine fan for experimental use in the study of mine ventilation, recording barometer, hydrometer, etc. Additional equipment has been installed to permit washing and concentrating tests of coal, pyrite, etc. A 7½x10½ Blake crusher discharges into the boot of a Jeffrey bucket elevator. The material may be sent from the elevator to either a 30-inch trommel or a 24-inch shaking screen; these screens have 1, ¾, ½ and ¼-inch round holes, and the screened products are discharged into bins. A pair of 8x5 inch Sturtevant rolls can be used for fine crushing. A two-compartment Harz jig and a Richards pulsator jig comprise the present jigging equipment, while a Butchart table is provided for the treatment of material too fine for the jigs. A small Jeffrey-Robinson coal washer can be used for demonstration and testing work, and its performance, or the performance of the jigs and tables, can be checked up by sink-and-float test machines. A bench has been equipped with crushers and grinders so that the samples from the laboratory may be prepared at once for chemical analysis.

The metallurgical laboratory is especially equipped for the study of fuels, such as coal, coke, gas and oil. In part it comprises analytical balances, Cary combination gas furnace, electric drying oven, water still, Emerson and Parr fuel calorimeters, apparatus for the analysis of gases, apparatus for the proximate analysis of coal and for determining the coking properties, etc.

The oil and gas laboratory is provided with equipment for determining the physical and chemical properties of oils and gases, as follows: Junker calorimeter, Emerson calorimeter, Saybolt standard Universal viscosometer, Pesky-Martin flash point apparatus, calorimeter, apparatus for heat test, fire test, cold test and emulsion test;

Baume hydrometers; apparatus for the determination of carbon residue in oils; the estimation of gasoline content per 1000 cubic feet of natural gas, etc., etc.

Transits, levels, compasses, etc., are provided for the use of students in land and mine surveying and in highway and railway construction.

The laboratories for chemical engineering and industrial chemistry are well equipped for small scale production of certain commercial chemicals and analysis and testing of industrial and engineering materials. Special apparatus and machinery for oil refining, by-product tests, water purification, ceramic and metallurgical work includes: Lummus column (16 chambers) still; furnace and absorption chain for determining the by-product value of coal (U. S. Steel Corp. method); Permutit water softener; Keramic Kiln, electric and gas furnaces; metallurgical microscopes and a complete Bausch and Lomb micrometallographic outfit; Sperry Filter Press with monteju and steam pump; wood and lead tanks, centrifuge, vacuum oven, Hyvac and Lammert Rotary pump, autoclave, and sulphonator. A large number of manufacturers' displays add to the facilities for instruction.

The latest trade literature, catalogues, and reports of commercial developments in engineering are kept in classified files for students' reference. The University library has a thoroughly classified and indexed collection of the standard and latest books in engineering and the allied sciences, complete bound sets of the transactions of several scientific and engineering societies, and current issues and bound volumes of the principal scientific and technical periodicals.

The extensive technical library recently donated by Mrs. F. L. Emory as a nucleus for a memorial to her husband, Professor Frederick Lincoln Emory, deceased, is also available for use.

FACILITIES FOR PRACTICAL OBSERVATION INSPECTION TRIPS.

The University is located in a region which affords the student unusual opportunities for practical observation and education in engineering. Morgantown is practically in the center of an extensive coal region in which are large workings of the Pittsburgh, Sewickly and upper Freeport seams while nearby are the Fairmont and Connellsville fields. West Virginia's gas and oil district approaches within four miles of the city. The region abounds with rich deposits of glass sand, limestone, clays, shales and valuable building stone.

Within the city limits or in nearby towns are numerous factories and plants, including large central stations for the production of electric power, cement plant, tin plate mills, extensive glass factories

manufacturing glass of every description, brick plants, by-product coking plant, brass plant, brass and iron foundries, large oil and gas pumping stations, glass sand and limestone crushing plants, etc. Connellsville is only 45 miles from Morgantown and Pittsburgh, the center of the world's greatest iron and steel industries, is only 103 miles distant.

Organized inspection trips under faculty supervision are taken each year. Credit for one inspection trip is required for graduation.

ENGINEERING SOCIETY.

The Engineering Society is conducted by the students of the College of Engineering under the direction of a faculty committee. Students taking any of the four-year curricula leading to the baccalaureate degrees in engineering are required to engage actively in the work of the society during the third and fourth years. A credit of one hour will be given for the work of each of the last two years.

AMERICAN SOCIETY OF CIVIL ENGINEERS.

The Student chapter of the American Society of Civil Engineers holds weekly meetings during the school year. Alternate meetings are devoted to papers prepared by members of the chapter and lectures by members of the faculty and outside engineers.

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS.

The West Virginia University Student Branch of the American Institute of Electrical Engineers holds weekly meetings during the college year.

AMERICAN INSTITUTE OF MINING AND METALLURGICAL ENGINEERS.

An affiliated student society of the American Institute of Mining and Metallurgical Engineers is maintained in the College of Engineering. Meetings are held every week.

AMERICAN SOCIETY OF MECHANICAL ENGINEERS.

The student branch of the American Society of Mechanical Engineers holds meetings every week during the college year.

TAU BETA PI.

The West Virginia Alpha Chapter of Tau Beta Pi was installed in the College of Engineering on June 3, 1922. Tau Beta Pi is the honorary engineering fraternity and has chapters in more than forty

of the leading engineering colleges. Membership may be conferred upon candidates for the Degree of Bachelor of Science in Chemical, Civil, Electrical, Mechanical or Mining engineering who have maintained a rank in scholarship in the highest quarter of their class.

TUITION, FEES AND INSTRUMENTS.

All engineering students must pay the following fees at the opening of each semester: contingent fee, $15.00; medical fee, $2.50; student activity fee, $5.00; registration fee, $2.00. The registration fee is remitted to all students who complete the registration during the first three days of the first semester and the first two days of the second semester.

Tuition is free to residents of West Virginia, but for students not residents of West Virginia the tuition fee is $50.00 a semester.

A diploma fee of $10.00 must be paid by all students at the beginning of the semester in which they expect to receive their degree.

All students must furnish their own drawing instruments. Students who prefer may purchase all instruments needed at the University at a cost much below the retail prices. The present cost of instruments of the grade desired is approximately $25.00. Instruments suitable for temporary use only can be furnished at a cost of about $15.00.

ENTRANCE REQUIREMENTS.

For admission to the College of Engineering, the candidate must have credit, obtained by examination or on certificate, for fifteen units of secondary school work, i. e., the work of a standard four-year high school.

A. The following groups are required:
   (1) Four units of English.[4]
   (2) Three units in one other subject.
   (3) Two units in a third subject.
   (4) Two units in a fourth subject.
   (5) Four units elective.

B. In addition to the four units of English the work indicated in (A) must include: one and one-half units of algebra, one unit of plane geometry and one-half unit of solid geometry[1].

C. Work in the following subjects not to exceed the number of units placed after each subject will be accepted:

English[4]	4 units	Science[3]	
		Physics	1 unit
Foreign Languages[2]		Chemistry	1 unit
Latin	4 units	Biology	1 unit
Greek	3 units	Botany	1 unit
French	3 units	Geology	1 unit
German	3 units	Zoology	1 unit
Spanish	2 units	General Science	1 unit
Italian	2 units	Physical geography	½ unit
		Physiology	½ unit
Mathematics		Hygiene and sanitation	½ unit
Algebra	2 units		
Plane Geometry	1 unit	Vocational subjects (not to exceed four units in all).	
Solid Geometry	½ unit	Agriculture	3 units
Trignometry	½ unit	Household arts	3 units
		Manual training	3 units
History and economics		Bookkeeping or bookkeeping and commercial arithmetic	2 units
History	3 units		
Civics	1 unit	Shorthand and typewriting	2 units
Elementary economics	1 unit		
Sociology	1 unit	Commercial geography	½ unit
		Commercial law	½ unit
Education	2 units		
Drawing		Music:—violin organ or piano	
Free-hand drawing	1 unit		
Mechanical drawing	1 unit		

[1]Students are advised to present at least two units in one foreign language, one unit in history and one unit in physics. Students offering less than one and one-half units in algebra must make up the shortage before entering the class in college algebra. Solid geometry, when not offered, must be made up before the beginning of the second year.

[2]Not less than two units of one foreign languge will be accepted for entrance but one unit of a second foreign language will be accepted provided, two units have been offered in another foreign language.

[3]A group of two or three units in science may be made by combining one unit each of any of the following: physics, chemistry, biology, botany, zoology and geology.

[4]A student entering with only three units in English must take six hours of College English in addition to that required for a degree. This requirement will be waived for students who present two units in a foreign language.

ADMISSION WITH ADVANCED STANDING.

Students from other institutions will be given credit for work already done in accordance with the general rules for advanced standing, but at least one year of resident work will be required for any of the baccalaureate degrees in engineering.

ADMISSION AS SPECIAL STUDENTS.

Students over twenty-one years of age desiring to take special work in the College of Engineering and Mechanic Arts are required to present nine units for entrance and to conform to the general regulations of the University regarding special students. (See University Catalogue.)

Such students must give satisfactory evidence that they are prepared to take the desired studies advantageously; but if they subsequently desire to become candidates for a degree or to take a regular curriculum in engineering, they must pass the required entrance examination for that year. Special provisions are made for those taking strictly vocational courses.

CLASSIFICATION OF STUDENTS.

To be classified as a freshman in the College of Engineering a student must have credit for at least 15 units of entrance requirements; to be classified as a regular freshman he must have fulfilled all entrance requirements. To be classified as a sophomore he must have credit for twenty-eight hours of college work; as a junior, sixty-eight hours; as a senior, one hundred and eight hours.

CREDIT FOR WORK DONE IN ABSENCE.

Students of the College of Engineering under exceptional circumstances are permitted to apply for advanced standing for not more than a total of six hours credit for practical work in the following subjects done in the field, shops, or drafting room, during vacation or other periods of absence from the University: woodworking (3), pattern making (1 and 4), foundry practice (5), forging (7), shop work (9), pipe fitting (10), machine tool work (13 and 14), machine construction (15), electrical construction (610), mechanical drawing (20, 22, 24 and 25), surveying (109 and 110).

To obtain credit application must be made before the work is begun, and a daily record kept of the work done. A certified statement of work done signed by the employer accompanied by a full report prepared by the applicant, must be filed with the Dean of the College on or before October 1st. Rules of procedure and application blanks may be obtained from the Dean.

In order to obtain credit for Summer Practice 164, 210 and 211, the same rules of procedure apply.

UNDERGRADUATE CURRICULA.

1. A four-year curriculum leading to the degree of Bachelor of Science in Civil Engineering, with option in sanitary engineerng.

2. A four-year curriculum leading to the degree of Bachelor of Science in Mechanical Engineering.

3. A four-year curriculum leading to the degree of Bachelor of Science in Electrical Engineering.

4. A four-year curriculum leading to the degree of Bachelor of Science in Engineering of Mines, with options in coal mining and oil and gas engineering.

5. A four-year curriculum leading to the degree of Bachelor of Science in Chemical Engineering.

6. A four-year curriculum in industrial education leading to the degree of Bachelor of Science.

7. Combined science and engineering curricula extending over five or more years leading to the degree of Bachelor of Science, and Bachelor of Science in Engineering.

REQUIREMENTS FOR DEGREE.

To receive any of the baccalaureate degrees conferred in the College of Engineering the student must have satisfied all the entrance requirements and, except in the case of Curriculum No. 7, must have received credit for one hundred and forty-eight semester hours, including a summer term equivalent to five semester hours, three of which shall be in residence and two hours in outside practice. The particular curriculum and distribution of work as prescribed for each degree is stated below.

No student is permitted to register for fewer than fourteen or more than twenty hours of work in any one semester.

SPECIAL CURRICULA FOR STUDENTS WITH IRREGULAR PREPARATION.

The courses of study outlined on the following pages are intended for students who matriculate with full entrance requirements. Alternative curricula have been arranged for students who offer only one unit in algebra for entrance or who are otherwise not prepared to take college algebra and trigonometry, (Mathematics 3 and 4). Such students will take review algebra (Mathematics 3, 4 and 6 in the freshman year and Mathematics 5 in the first six weeks of the summer school between the first and second years. A student finding it impossible to remain for the summer term will take Analytical Geometry 5 and Calculus 7 in the sophomore year and will have another opportunity of becoming regular by taking Calculus 8 and Mechanics 70 in the summer school between the second and third years. Similar provisions are made for deficiencies in English and solid geometry.

SUBSTITUTIONS.

The following substitutions are regularly allowed in addition to special substitutions listed elsewhere: Pattern making 1 and Forging 7 or Pattern making 1 and Machine Work 10 for Shop Work 9; Empirical Design 24 for Mechanical Drawing 25; Chemistry 5 or 6 (2 to 5 hours) for Chemistry 3; Chemistry 3 for 2 hours of Chemistry 5 or 6; Economics 1 and 2 for Economics 3; Economics 11 or 11S for Economics 10.

THESIS.

Any candidate for baccalaureate degrees in engineering may with the consent of his major professor prepare a thesis on some subject relating to a special branch of engineering or other department of applied science. It must be fully elaborated and accompanied by the necessary working drawing or models required for the proper elucidation of the subject of the thesis. With its accompanying drawings it will be presented for approval, first to the instructor under whose guidance it has been prepared, then to the head of the department in which the degree is to be conferred. A typewritten copy of the thesis, prepared according to official specifications for thesis and signed by the instructor in charge and the head of the department, must be placed in the University library before graduation. A small fee is charged for binding.

CIVIL ENGINEERING.

The course in civil engineering has been planned so that the student will get a substantial foundation for the work of the civil engineer. Emphasis is placed on the subjects underlying the science of engineering, such as physics, mathematics, etc., and these subjects are presented to the engineering students, not as an end in themselves, but as a means for the solution of engineering problems. The professional subjects are taught by means of recitations, lectures, drawing room work, laboratory work and field work.

Civil engineering includes topographical and geodetic engineering, which has to do with measurements of land surfaces; railroad and highway engineering, comprising the construction and maintenance of railroad lines and highways and the economic features govering them; municipal engineering, comprising the construction of sewers, water-works, etc., structural engineering, comprising the construction of buildings, bridges, foundations, docks, walls, piers and other fixed structures; and hydraulic engineering comprising the development of water power, the transference of water from place to place, etc. The field is so broad that no man can ever become an expert over its whole extent, but fortunately all of these various branches rest upon a very small body of principles, and the student is not forced to specialize until he enters active practice.

In addition to the Sanitary Option, outlined below, the student is offered the choice of two options in the second semester of the senior year, one of which devotes more time to the subject of railroad and highway engineering, the other to the subject of hydraulic engineering.

OPTIONAL COURSE IN SANITARY ENGINEERING.

Students in Civil Engineering who desire to specialize in Sanitary Engineering are permitted to substitute any or all of the following: Chemistry 6 or 15. Quantitative Analysis (3 to 5 Hrs.); Organic Chemistry 33 (5 Hrs.); The Chemistry of Colloids 62 (2 Hrs.); General Bacteriology 41 (3 Hrs.); other approved courses in chemistry and bacteriology not to exceed six hours; Water Examination and Purification 187 (2 Hrs.); for an equal amount of credit in other required subjects but the subjects must be approved by the faculty.

NOTE: See page 13, special curricula for students with irregular preparation.

UNDERGRADUATE CURRICULUM IN CIVIL ENGINEERING.

Leading to the Degree of Bachelor of Science in Civil Engineering.

First Year—First Semester.			First Year—Second Semester.		
Rhetoric and comp. (Eng. 1)	3		Rhetoric and comp. (Eng. 2)	3	
Algebra and trigonometry (Math. 3 and 4)	5		Trigonometry and analytical geometry (Math. 5 and 6)	5	
Inorganic chemistry(Chem. 1)	4		Land surveying 100	3	
Military science (1)	1		Inorganic chemistry(Chem.2)	4	
Mechanical drawing 20	2		Military science (2)	1	
Shop work 9	2	17	Mechanical drawing 22	2	18
Engineering Lectures					
Second Year—First Semester.			**Second Year—Second Semester.**		
Descriptive geometry 26	3		Integral calculus (Math. 8)	3	
Advanced surveying 102	2		General physics (Phys. 6, 4)	5	
General physics (Phys. 5, 3, 2)	5		Topographical surveying 103	2	
Differential calculus (Math. 7)	3		Statics 70	3	
Military science (3)	1		Military science (4)	1	
Quantitative analysis(Chem.3)	2		General geology (Geol. 2)	3	
Mechanical drawing 25	2	18	Laboratory geology (Geol.21)	1	18

Summer work, Surveying 109—1.

Summer work (out of residence), Summer practice 164—2.

Third Year—First Semester.			Third Year—Second Semester.		
Mechanics of materials 71	4		Kinetics 72	3	
Mechanical laboratory 130	2		Hydraulics 73	2	
Railway location 104	3		Mechanical laboratory 131	2	
Heat engineering 120	3		Roofs and bridges 141	4	
Economics geology (Geol. 11)	3		Applied electricity 51	4	
Economics (Econ. 3)	3		Money, banking and credit (Economics 10)	2	
Engineering society 162		18	Engineering Society 162	1	18

Summer work, Railroad surveying 110—2.

Fourth Year—First Semester.			Fourth Year—Second Semester.		
Railway maintenance 105	3		Masonry and foundation 146	3	
Water supply engineering 149	3		Sanitary engineering 148	2	
Materials of construction 156	2		Concrete construction 147	3	
Bridge design 142	4		Advanced structures 143	3	
Roads and pavements 106	3		Cost accounting (Bus.Adm. 4)	2	
Business law 161	3		English (Eng. 86)	1	
Engineering society 163		18	Engineering Society 163	1	
			Inspection Trip		
			Options from the list below	3	18
Thesis 113 or 152	3		Railroad economy 107	3	
Highway economics 108	2		Water power engineering 150	3	

MECHANICAL ENGINEERING.

The aim of the course in mechanical engineering is to give the student such mental equipment as will enable him to deal most effectively both technically and commercially with general engineering problems. All possible practice is given in the work that an engineer is ordinarily called on to do, but greater stress is laid on a thorough knowledge of those underlying principles and methods which are the foundation of all engineering professions. To this is added a study of those economic subjects which are essential to a thorough understanding of sound business methods. Options are provided in the fourth year which enable the student to specialize in accordance with his natural inclination.

The work in pure mathematics is terminated at the end of the second year, and applications follow in the recitation room courses in mechanism, statics, mechanics of materials, dynamics, and machine design. Steam engineering begins with the course in thermodynamics in the third year and is continued by the courses in heat engines and power plant design with options in the design of steam engines and turbines. A sufficient amount of electrical engineering is given in the third and fourth years to enable the student to handle engineering operations involving the simpler electrical problems.

Drafting room work is given throughout the four years, starting with elementary mechanical drawing in the first year. The courses in mechanism, machine design and power plant design are accompanied by drawing room work, giving practical applications of the principles studied in the class room, and constant practice in the executon of drawings.

The engineering laboratories provide the students with practice in testing, handling and caring for a large variety of machinery, including steam, air, gas, hydraulic, material-testing and power-transmission machinery. One-half day a week is devoted to this work during the last two years.

The shop work, commencing in the first year, is planned to acquaint students with the fundamental tools and mechanical operations, to enable them to acquire a reasonable amount of manual dexterity, and to furnish them continuously with practical examples of the principles studied in their class rooms. A study is made of the methods used in manufacturing plants and engineering establishments, and of the principles of industrial management.

The thorough uderstanding of principles, the development of the reasoning faculty, and the knowledge of the sources to draw on for engineering information as it may be needed, are of the greatest importance, and take precedence over the mere acquisition of knowledge.

NOTE: See page 13, Special curricula for students with irregular preparation.

UNDERGRADUATE CURRICULUM IN MECHANICAL ENGINEERING.

Leading to the Degree of Bachelor of Science in Mechanical Engineering.

First Year—First Semester.		First Year—Second Semester.	
Rhetoric and comp. (Eng. 1)	3	Rhetoric and comp. (Eng. 2)	3
Algebra and trigonometry (Math. 3 and 4)	5	Trigonometry and analytical geometry (Math 5 and 6)	5
Inorganic chemistry(Chem.1)	4	Surveying 101	1
Military sciencec (1)	1	Inorganic chemistry(Chem.2)	4
Mechanical drawing 20	2	Military science (2)	1
Pattern making 1 and Forging 7, or		Mechanical drawing 22	2
Foundry 5	2 17	Foundry 5, or	
Engineering lectures		Pattern making 1 and Forging 7	2 18

Summer work, Machine shop 13—3.

Second Year—First Semester.		Second Year—Second Semester.	
Differential calculus (Math. 7)	3	Integral calculus (Math. 8)	3
General physics (Phys. 5, 3)	5	General physics (Phys. 6, 4)	5
Descriptive geometry 26	3	Statics 70	3
Military science (3)	1	Mechanism 29	4
Quant. analysis (Chem. 3)	2	Military science (4)	1
Empirical design 24	2	Machine work 14 and Pipe-fitting 10, or	
Pattern making 4, or		Pattern making 4	2 18
Machine work 14 and			
Pipe fitting 10	2 18		

Summer work (out of residence), Summer practice 164—2.

Third Year—First Semester.		Third Year—Second Semester.	
Mechanics of materials 71	4	Kinetics 72	3
Thermodynamics 121	3	Hydraulics 73	2
Elect. and mag. (Physics 23)	3	Heat engines 122	3
Economics (Econ. 3)	3	Money, banking and credits (Econ. 10)	2
Mechanical laboratory 130	2	Machine design 35	2
Machine construction 15	2	Mechanical laboratory 131	2
Engineering society 162	17	Shop methods 16	2
		Machine drawing 36	2
		Engineering society 162	1 19

Fourth Year—First Semester.		Fourth Year—Second Semester.	
Power plant design 123	3	Cost accounting (Bus.Adm. 4)	2
Engineering laboratory 132	2	Engineering laboratory 133	2
Electrical engineering 53	4	Elements of elect. eng'g. 54	2
Business law 161	3	English (Eng. 86)	1
Machine design 37	2	Designing and drawing 41	2
Machine drawing 38	2	Engineering society 163	1
Structural engineering 144	2	Inspection trip	
Engineering society 163	18	Options from the list below	6 18

Steam engine design 39	2	Industrial engineering 47	3
Gas engineering 126	3	Gas engine design 45	3
Steam turbines 125	3	Heating and ventilation 127	3
Steam engine drawing 40	2	Steam boilers 124	2
		Thesis 49 or 135	3

ELECTRICAL ENGINEERING.

The course in electrical engineering is intended to give the student that theoretical and practical instruction which will enable hm to obtain a basic knowledge of the application of electricity.

The work of the first two years is largely preparatory to the technical training of the latter two years, and parallels close that of the mechanical engineering course. This gives the requisite foundation in English, mathematics, physics, chemistry, drafting and the elements of shop practice. Electrical construction is taken up at an early part of the course so that the student may profit by it when seeking summer employment. Some of the fundamental principles of electricity and magnetism are studied in the course in physics.

The purely electrical engineering courses begin with the third year. In the first semester of this year, the elements of electrical engineering together with illumination and signalling are studied. The theory is studied in the classroom and then experimentally proved or verified in the laboratory. In the second semester this study is continued to include the design, construction and operation of direct current machinery as well as the theory of alternating currents. In addition to the electrical studies the following supplementary subjects come throughout the year: thermodynamics and heat engines; mechanics, mechanical laboratory practice; economics; and money, credit and banking.

The fourth year is largely devoted to a study of the commercial applications of electricity either directly or indirectly. The design construction and operation of alternating current apparatus are studied in the class and the laboratory. The generation of electrical energy, its distribution and utiliaztion, together with the economic factors to be considered are covered by the course in electrical generation and distribution, which is continued into the second semester as a design course. Previous to this second semester's work in general design, the fundamentals of design are covered in the courses in electrical design and calculations and machine design, both of which are given in the first semester. The course in electric traction takes up the proper selection of electric railway equipment and the course in advanced electrical laboratory is included to give the student an opportunity for original work. In the option the student has a choice of the following subjects: industrial applications of electricity; telephone engineering; transients, surges and electric waves; high tension dielectric phenomena; thesis; differential equations; and radio telegraphy. Other courses not already mentioned in the fourth year are: business law; engineering society; hydraulics; engineering laboratory; English; and cost accounting.

NOTE: See page 13, Special curricula for students with irregular preparation.

UNDERGRADUATE CURRICULUM IN ELECTRICAL ENGINEERING.

Leading to the Degree of Bachelor of Science in Electrical Engineering.

First Year—First Semester.		First Year—Second Semester.		
Rhetoric and comp. (Eng. 1)	3	Rhetoric and comp. (Eng. 2)	3	
Algebra and trigonometry (Math. 3 and 4)	5	Trigonometry and analytical geometry (Math. 5 and 6)	5	
Inorganic chemistry(Chem.1)	4	Surveying 101	1	
Military science (1)	1	Inorganic chemistry(Chem.2)	4	
Mechanical drawing 20	2	Military science (2)	1	
Forging 7	1	Mechanical drawing 22	2	
Pattern making 1	1	Electrical construction 610	2	18
Engineering lectures	17			

Summer work, Machine shop 13—3.

Second Year—First Semester.		Second Year—Second Semester.		
Differential calculus(Math.7)	3	Integral calculus (Math. 8)	3	
General physics (Phys. 5, 3)	5	General physics (Phys. 6, 4)	5	
Descriptive geometry 26	3	Statics 70	3	
Military science (3)	1	Mechanism 29	4	
Quant. analysis (Chem, 3)	2	Military science (4)	1	
Epirical design 24	2	Pattern making 4	2	18
Foundry 5	2	18		

Summer work (out of residence), Summer practice 164—2

Third Year—First Semester.		Third Year—Second Semester.		
Mechanics of materials 71	4	Kinetics 72	3	
Thermodynamics 121	3	Heat engines 122	3	
Elements of elect. eng'g 50	4	Direct current machinery 52	4	
Hydraulics 73	2	A. C. Theory and meas. 55	3	
Mechanical laboratory 130	2	Mechanical laboratory 131	2	
Economics (Econ. 3)	3	Money, banking and credits (Econ. 10)	2	
Engineering society 162	18	Engineering society 162	1	18

Fourth Year—First Semester.		Fourth Year—Second Semester.		
A. C. machinery 56	3	Illumination and signalling 58	2	
Machine design 35	2	Electric traction 57	2	
Machine drawing 36	2	Elec. gen. and dist. 630	3	
Electrical laboratory 560	2	English (English 86)	1	
Elec. gen. and dist. 63	3	Engineering laboratory 133	2	
Elec. design and calc. 590	3	Advance elect. laboratory 600	2	
Business law 161	3	Cost accounting (Bus.Adm.4)	2	
Engineering society 163	18	Engineering society 163	1	
		Inspection trip		
		Options from the list below	3	18
Indust. applications of elec 65	3			
Telephone engineering 68	3			
Transients, surges and electric waves 62	3	Thesis 69	3	
High tension dielectric phenomenon 67	3	Differential equations (Math. 9)	3	
		Radio-telegraphy (Phys. 11)	3	

MINING ENGINEERING.

Mining engineering deals with the process and appliances used in the extraction of minerals from within the earth. Not only must the mining engineer be thoroughly trained in mining and geology, but also in the application of the fundamental principles of civil, electrical and mechanical engineering to mining conditions.

The first two years of the course in mining engineering are devoted to a thorough training in the underlying principles of mathematics, physics and chemestry. Supplementing these are courses in surveying, including mine surveying, English, drawing, and shop work. For the last two years of the course two options are provided, one in coal mining and one in geological engineering and oil and gas production. The student is permitted to state his choice of option at the beginning of the sophomore year.

COAL MINING.

In the coal mining option the study of coal mining is taken up in the third year. This study includes the geology and classification of coals; explosives and blasting; prospecting; shaft sinking and tunneling; methods of working; haulage, hoisting and pumping; and the preparation of coal for the market. A course in the projection of mine workings and the design of mining plants runs throughout the senior year. A thorough course in mine gases and the ventilation of mines is given in the first half of the fourth year, supplemented by work in the mining laboratory. The course in fuels is designed to give the student a knowledge of the various fuels that are utilized in engineering practice, while the courses in metallurgy acquaint him with the minerals and processes used in manufacture of iron and steel. The course in mine management presents the economic, social and financial considerations to be met in the successful management of a mining enterprise.

The study of steam engineering begins with the course in heat engineering, and practice in the handling and care of instruments and machinery and in the solution of practical engineering problems is offered in the mechanical laboratory. These courses are followed by courses in electrical engineering and structural engineering.

A training in the science of geology is offered by the courses in mineralogy and general geology. These courses may be supplemented by the study of the economic geology of the non-metallic minerals in the senior year, special attention being paid to the geology of coal, oil and gas. Should the student desire further work in geology a course in field geology is offered as an elective subject.

The courses in economics, money, banking and credits, business law and cost accounting furnish the fundamental business training so essential for the engineer.

NOTE: See page 13, Special curricula for students with irregular preparation.

UNDERGRADUATE CURRICULUM IN MINING ENGINEERING

(COAL MINING OPTION)

Leading to the Degree of Bachelor of Science in Engineering of Mines.

First Year—First Semester.			First Year—Second Semester.		
Rhetoric and comp. (Eng. 1)	3		Rhetoric and comp. (Eng. 2)	3	
Algebra and trigonometry (Math. 3 and 4)	5		Trigonometry and analytical geometry (Math. 5 and 6)	5	
Inorganic chemistry(Chem.1)	4		Land surveying 100	3	
Military science (1)	1		Inorganic chemistry(Chem.2)	4	
Mechanical drawing 20	2		Military science (2)	1	
Shop work 9	2	17	Mechanical drawing 22	2	18
Engineering lectures					

Second Year—First Semester.			Second Year—Second Semester.		
Differential calculus (Math.7)	3		Integral calculus (Math. 8)	3	
General physics (Phys. 5, 3)	5		General physics (Phys. 6, 4)	5	
Descriptive geometry 26	3		Statics 70	3	
Advanced surveying 102	2		Mine surveying 80	2	
Military science (3)	1		Military science (4)	1	
Mineralogy 89	1		Quan. analysis (Chem. 6)	4	18
Pipe-fitting 10	1				
Mechanical drawing 25	2	18			

Summer work, Mine surveying 90—3.

Third Year—First Semester.			Third Year—Second Semester.		
Heat engineering 120	3		Kinetics 72	3	
Mechanical laboratory 130	2		Mechanical laboratory 131	2	
Mechanics of materials 71	4		Hydraulics 73	2	
Coal mining 81	2		Coal mining 82	4	
Geology (Geol. 2 and 21)	4		Mining methods 88	4	
Economiccs (Econ. 3)	3		Money, banking and credits (Econ. 10)	2	
Engineering socicety 162		18	Engineering society 162	1	18

Summer work (out of residence), Summer practice 164—2.

Fourth Year—Second Semester.			Fourth Year—Second Semester.		
Mine ventilation 83	3		English (Eng. 86)	1	
Mining design 86	2		Mining design 87	3	
Structural engineering 144	3		Mine management 84	1	
Electrical eng'g. 53	4		Electrical eng'g. 54	4	
Metallurgy 171	2		Mining laboratory 95	3	
Coal laboratory 96	1		Cost accounting (Bus.Adm.4)	2	
Business law 161	3		Engineering society 163	1	
Engineering society 163		18	Inspection trip		
			Options from the list below	3	18
Thesis 99	3				
Concrete construction 147	3		Economic geology (Geol. 11)	3	
Field geology 62			Fuels 178	3	

GEOLOGICAL ENGINEERING AND OIL AND GAS PRODUCTION.

This option is planned to meet the needs of the engineer who is more interested in the geological aspect of mining than in the actual operation of a mining property. There is a growing demand for the so-called mining geologist who, while he has a thorough training in the fundamentals of engineering in general and of mining engineering in particular, yet is specially qualified to work out the detailed geological features of mining properties and to make reports on them. This is peculiarly true in the case of oil and gas companies, where accurate geological knowledge in advance of actual drilling operations is of the greatest importance in the economical development of the field. Besides the opportunities offered by mining companies many of our railroads maintain corps of geologists while the several states and the federal government are continually carrying on geological investigations. This course also offers an excellent preparation for those who propose to carry on graduate work.

In the junior year the course differs from the coal mining option in that organic chemistry and geological courses are substituted for the courses in coal mining. A course in field geology in which the student prepares a geological map and a complete report on an assigned area enables him to apply the geological knowledge he received in his sophomore year. The fundamentals of mining are studied in the senior year as well. The study of oil and gas geology treats of the origin, properties, distribution and mode of accumulation of oil and gas, and familiarizes the student with all the available sources of information on this subject. The courses in oil and gas production and oil refining take up the subjects of the chemical and physical properties of petroleum and natural gas, their extraction and subsequent treatment, the valuation of oil and gas properties, reports on them, and the actual testing in laboratory of various oils, oil shales, and natural gas.

A thorough grounding in the fundamentals of business is afforded by the courses in economics, money, banking and credits, business law and cost accounting.

NOTE: See page 13, Special curricula for students with irregular preparation.

UNDERGRADUATE CURRICULUM IN MINING ENGINEERING (OIL AND GAS OPTION)

Leading to the Degree of Bachelor of Science in Engineering of Mines.

First Year—First Semester.			First Year—Second Semester.		
Rhetoric and comp. (Eng. 1)	3		Rhetoric and comp. (Eng. 2)	3	
Algebra and trigonometry (Math. 3 and 4)	5		Trigonometry and analytical geometry (Math. 5 and 6)	5	
Inorganic chemistry(Chem.1)	4		Land surveying 100	3	
Mechanical drawing 20	2		Inorganic chemistry(Chem.2)	4	
Military science (1)	1		Military science (2)	1	
Shop work 9	2		Mechanical drawing 22	2	18
Engineering lectures		17			

Second Year—First Semester.			Second Year—Second Semester.		
Differential calculus (Math.7)	3		Integral calculus (Math. 8)	3	
General physics (Phys. 5, 3)	5		General phyisics (Phys. 6, 4)	5	
General geology (Geol. 2, 21)	3		Historical geology (3, 31)	4	
Mineralogy 89	1		Quan. analysis (Chem. 6)	5	
Descriptive geometry 26	3		Military science (4)	1	18
Empirical design 24	2				
Military science (3)	1	18			

Third Year—First Semester.			Third Year—Second Semester.		
Mechanics 76	5		Mechanics 77	5	
Advanced surveying 102	2		Hydraulics 73	2	
Organic chemistry (Chem.33)	5		Mine surveying 80	2	
Metallurgy 171	2		Economic geology (Geol. 11)	3	
Pipe-fitting 10	1		Field geology (Geol. 62)	3	
Economics (Econ. 3)	3		Money, banking and credits (Econ. 10)	2	
Engineering society 162		18	Engineering society 162	1	18

Summer work (out of residence), Summer practice 164—2.
Summer work; Mine surveying 90—3.

Fourth Year—First Semester.			Fourth Year—Second Semester.		
Heat engineering 120	3		Mechanical laboratory 131	2	
Mechanical laboratory 130	2		English (Eng. 86)	1	
Oil and gas geology (Geol. 13)	3		Oil and gas production 92	2	
Coal mining 81	2		Geological surveying 98	2	
Applied electricity 51	4		Fuels 178	3	
Oil laboratory 185	1		Oil refining 186	2	
Business law 161	3		Cost accounting (Bus.Adm.4)	2	
Engineering society 163		18	Inspection trip		
			Engineering society 163	1	
			Options from the list below	3	18
Concrete construction 147	3				
Coal mining 82	4				
Geology 12, 71, 81, 82	3		Thesis 99	3	
Chemistry 7, 38, 60	3-5		Benzene Deriv. 180	2	

CHEMICAL ENGINEERING.

The object of the four-year course in chemical engineering is to qualify young men to design, build, and manage manufacturing plants in which the products of manufacture are based on chemical processes and to fit men for professional employment as industrial chemists and chemical engineers.

The curriculum outlined on the following page is designed to give the student a thorough knowledge of the fundamental principles of chemistry. a theoretical and practical training in mechanical engineering subjects including electrical engineering, and a thorough training in industrial chemistry and the more common engineering and industrial processes based on chemical reactions.

The course includes theoretical and analytical work in inorganic, organic and industrial chemistry, mathematics, physics, theoretical and applied mechanics, mechanical drawing, shop practice, structural engineering and industrial management, heat engineering, plant design, electrical engineering, mechanical and electrical laboratory, mineralogy and metallurgy and work in the strictly chemical engineering subjects. The options in the senior year are in four groups; chemical, ceramic, metallurgical, and commercial engineering. Thesis subjects will usually be selected from problems related to the development of the natural resources of West Virginia as foundations for chemical industries.

Students preparing to take the course in chemical engineering should present German for entrance. In order to provide time for a broader training in language, economics, history and science, and for additional courses in applied chemistry and engineering, students are recommended to take the combination Bachelor of Science and Engineering course. By a careful selection of electives both degrees may be secured in five years.

Metallurgy Option. Students electing the Metallurgy Option in Chemical Engineering should take the following courses as their senior electives: Fuels 178 (3 Hrs.); Refractories 177 (1 Hr.); Metallurgy—Non-Ferrous 173 (2 Hrs.); and Metallurgy Laboratory 174 (2 Hrs.). Thesis 185 (2 to 5 Hrs.) may be offered in place of one of the above courses by students who have shown marked ability along metallurgical lines.

Ceramics Option. Students electing the Ceramic Option in Chemical Engineering should choose the following elective: Ceramics 175 (2 Hrs.); Ceramics Laboratory 176 (1 Hr.) and Refractories 177 (1 Hr.); Fuels 178 (3 Hrs.); Chemistry 26 (2 Hrs) or in place of the latter two Thesis 185 (2-5 Hrs.). Students electing the Ceramic Option will be required to do their Summer Practice 164 in some approved ceramic industry.

NOTE: See page 13, Special curricula for student with irregular preparation.

UNDERGRADUATE CURRICULUM IN CHEMICAL ENGINEERING.

Leading to the Degree of Bachelor of Science in Chemical Engineering.

First Year—First Semester.		First Year—Second Semester.	
Rhetoric and comp. (Eng. 1)	3	Rhetoric and comp. (Eng. 2)	3
Algebra and trig. (Math 3 and 4)	5	Trigonometry and analytical geometry (Math. 5 and 6)	5
Inorganic chemistry (Chem.1)	4	Surveying 101	1
Military science (1)	1	Inorganic chemistry (Chem.2)	4
Mechanical drawing 20	2	Military science (2)	1
Pattern making 1	1	Mechanical drawing 22	2
Forging 7	1 17	Foundry 5	2 18
Engineering lectures			

Summer work; Machine Shop 11—2 and Pipe-fitting 10-1.

Second Year—First Semester.		Second Year—Second Semester.	
Differential calculus (Math.7)	3	Integral calculus (Math. 8)	3
General physics (Phys.5, 3)	5	General physics (Phys. 6, 4)	5
Descriptive geometry 26	3	Mechanism 29	4
Military science (3)	1	Military science (4)	1
Qual. analysis (Chem. 5.)	4	Quant. analysis (Chem. 6)	5 18
Empirical Design 24	2 18		

Summer work (out of residence), Summer practice 164—2.

Third Year—First Semester.		Third Year—Second Semester.	
Mechanics 76	5	Mechanics 77	5
Thermodynamics 121	3	Machine design 35	2
Mechanical laboratory 130	2	Machine drawing 36	2
Organic chemistry (Chem.33)	5	Mechanical laboratory 131	2
Elect. and mag. (Physics 23)	3	Physical chem. (Chem. 60)	5
Engineering society 162	18	Mineralogy 89	1
		Engineering society 162	1 18

Fourth Year—First Semester.		Fourth Year—Second Semester.	
Chem. Eng'g and Mfg. 181 and 182	4	Chem. Eng'g and Mfg. 183 and 184	4
Electrical engineering 53	4	Electrical engineering 54	4
Fuels 178 or Quant. Anal. (Chem. 7)	3	English (English 86)	1
Coal laboratory 96	1	Industrial management 46	1
Metallurgy 171 and 172	3	Hydraulics 73	2
Economics (Econ. 13)	3	Engineering society 163	1
Engineering society 163	18	Inspection trip	
		Options from list below	5 18

Chemical engineering courses 173, 174, 175, 178, 180, 185, 186, 187, 190, 192, 193, 196, 197	2 to 5	Power plant design 123	3
Geology (Geology 2)	3	Highway laboratory 136	
Electrical engineering 65	3	Business law 161	3
		Money, credit and banking (Econ. 10)	2
Chemistry 39, 40, 51, 52, 62, 189, 190, 192	1 to 5	Cost accounting (Bus.Adm.4)	2

INDUSTRIAL EDUCATION.

The object of this course is to prepare men and women to teach related and vocational industrial subjects in high schools, vocational schools, night schools, part-time schools, and schools in industrial plants and to supervise work in connection with the administration of the federal vocational educational act. It is intended to give students a broad, flexible, practical education with required specialization along at least two lines, designated below as major and minor groups.

The major group may be chosen from any branch of engineering offered in the College of Engineering as mining, mechanical, civil, chemical, or electrical.

The minor group will be chosen from a second branch of engineering. No work offered as satisfying the conditions of the major group will be accepted as satisfying the minor group or vise versa.

In addition to the shop courses taken in the University, not less than 18 weeks of work must be done during the summer vacations. These shop courses, 210 and 211, will correlate with the major and minor groups. A monthly report will be required on the work done. This work carries a total credit of 5 hours.

Those who have a satisfactory trade experience of two years beyond the period of apprenticeship in accordance with the state plan for vocational education and who take this course will be eligible to teach their trade as well.

The course of any candidate for a degree must include:

Educational subjects	20 hrs.	Mathematics	16 hrs.
English	10	Shop and summer work	20
Drawing	6	Major group	22
Chemistry	10	Minor group	12
Physics	10	Elective	18-22
Military science (when required)	4		

At least eight hours in industrial education including Courses 201 and 202 are required. The rest of the work in education may be taken in the Department of Education. No course in industrial education is open without permission to students below junior standing.

At the beginning of the junior year, the student will submit to the Faculty of the College of Engineering, through his class officer, his proposed course of study for his junior and senior years for their approval.

UNDERGRADUATE CURRICULUM IN INDUSTRIAL EDUCATION.

Leading to the Degree of Bachelor of Science in Industrial Education.

First Year.

First Semester.		Second Semester.	
English 1	3	English 2	3
Mathematics 3 and 4	5	Mathematics 5 and 6	5
Chemistry 1	4	Chemistry 2	4
Drawing 20	2	Drawing 22	2
Education 17	3	Shop work	3
Military science 1	1 18	Military science 2	1 18

Second Year.

First Semester.		Second Semester.	
Mathematics 7	3	Mathematics 8	3
Physics 5, 3	5	Physics 6, 4	5
Drawing 24, 25	2	Shop work	3
Education 12	3	Statics 70	3
Chemistry 4	2	Elective	3
Shop work	2	Military science 4	1 18
Military science 3	1 18		

Third and fourth years to be arranged. See preceding page for requirements.

COMBINED SCIENCE AND ENGINEERING CURRICULUM.

The following course of study is suggested for students who expect to take an engineering degree after receiving the degree of Bachelor of Science, or who wish to take a general course with engineering subjects as a major:

English composition (English 1 and 2)	6 hrs.
English literature (English 3 and 4)	4 "
Algebra and trignometry	7 "
Analytical geometry and calculus	9 "
Physics 3, 4, 5, 6	10 "
Mechanics 70, 71, 72	10 "
Chemistry	10 "
Descriptive geometry	3 "
Mechanical drawing	6 "
One foreign language	20 "
Botany, zoology, geology, or entomology, any one	8 "
History, economics, or commerce, any one	8 "
Military science (when required)	4 "
Electives, preferably subjects that count toward both the bachelor of arts and engineering degrees	23 "
Total	128 "

Students who expect to take a degree in civil engineering should include Geology 2, 11, and 21; Land Surveying 100, Mechanical Drawing 25, Hydraulics 73, Applied Electricity 51 and Shop Work 9.

Applicants for a degree in mechanical or electrical engineering should include ten hours in shop work, Empirical Design 24, Mechanism 29, Surveying 101, and Physics 23, Machine Design 35 and 36.

Applicants for a degree in mining engineering should include Geology 2 and 21, Chemistry 6, Land surveying 100, Mineralogy 89, Shop Work 9 and Mechanical drawing 25.

The requirements of the economics and history group may be met by taking Economics 3 and 11, Business Administration 4, and Business Law 161.

Students desiring to specialize in economics and business administration are advised to take one or more of the following groups in addition to the minimum requirements: Business Administration 1, 2, and 3; 21, 22, and 26; 31, 32, and 46; Economics 12, 14, and 15; 13, 40, and 41.

Students who wish to prepare for teaching science, engineering or industrial subjects, may with the approval of the Committee on Classification and Grades substitute eight hours in education for an equivalent amount of required work in the science and history groups.

By following the above curriculum students may receive both the B.S. degree and the engineering degree in five to five and one-half years.

SPECIAL ENGINEERING CURRICULA.

1. **Elective Groups for Students in Other Colleges.** Candidates for degrees other than engineering degrees, and special students in any department of the University, are permitted to elect subjects in the College of Engineering, provided, in each case, they have had the subjects specified as prerequisites. Students who wish to take a general classical or scientific course of study before taking the engineering curriculum are advised to carry their mathematics as far as called for by the engineering curriculum, and to take some of their elective work in the College of Engineering. The engineering instructors will advise them what is the best to elect.

Credits are given in the College of Arts and Sciences for the following engineering courses:

Subject.	Credit Hours.
Mechanical drawing 20-25	8
Descriptive geometry 26	3
Mechanism 29	4
Industrial engineering 47	3
Elements of electrical engineering 50	4
Applied electricity 51	3
Elements of electrical engineering 53, 54	8
Direct current machinery 52	4
Theory of alternating currents 55	3
Alternating current machinery 56	3
Electrical laboratory 560, 600	4
Statics 70	3
Mechanics of materials 71	4
Hydraulics 73	2
Kinetics 72	3
Mineralogy 89	1
Metallurgy 171, 172	3
Surveying 100, 101, 102	5
Thermodynamics 121	3
Heating and ventilating 127	3
Heat engines 122	3
Geological surveying 98	2
Industrial education 205, 221 and 200	6

In addition to the above the student may elect with the consent of his class officer, when his major subject is physics or education:

Engineering 1-18 (Mechanic arts) 10

2. **Partial Curriculum.** Students who have not the time or are otherwise unable to take a full curriculum, will be allowed to take a special or partial curriculum, consisting of such studies as they are prepared to take, provided that such curriculum shall have been approved by the class officer. For further information see statement of requirements for admission as special students.

SUMMER TERM.

A summer term lasting six weeks is given immediately after the close of each collegiate year. The following courses are regularly scheduled for the summer term and should be taken at that time by all regular engineering students (see curricula, pages 16 to 27):

Chemical; Pipe Fitting 10
Machine Work 11

Mechanical and Electrical; Machine Work 13

Civil; Surveying 109 and 110

Mining; Surveying 90.

Other regular engineering courses are offered as follows;
Pattern Making 1 and 4
Woodworking 3
Forging 7 and 8
Mechanical Drawing 20 and 22
Empirical Design 24
Descriptive Geometry 26
Mechanics 70, 71 and 72
Hydraulics 73
Roofs and Bridges 141
Industrial Education 212 and 221.

In addition, the faculty of the College of Arts and Sciences usually offers courses required or accepted for the engineering degrees as follows:

Chemistry 1, 2, 3, 5, 6, 7, and 33
Economics 1S, 2S and 11S
English 1 and 2
Geology 2S
Solid Geometry 2
Algebra 3
Trigonometry 4 and 6
Analytical Geometry 5
Calculus 7 and 8
Physics 3, 4, 5 and 6.

These opportunities are of advantage to irregular students who have deficiencies to remove in these subjects and they are urged to adjust their work to the regular schedules at the earliest possible time. Regular students who have completed the required summer courses are advised to spend their vacations in practical work, for which credit may be given under Summer Practice 164.

CURRICULA FOR GRADUATE STUDENTS IN ENGINEERING.

Graduate courses lead to the professional degrees of Master of Science in Civil Engineering, Master of Science in Mechanical Engineering, Master of Science in Electrical Engineering, Master of Science in Engineering of Mines, and Master of Science in Chemical Engineering, respectively. They consist of advanced engineering courses aggregating thirty-two semester hours of which eight hours may be a thesis, and require one year of resident study and work at the University.

A candidate for a professional degree is required to have completed the prescribed four-year curriculum of undergraduate study in that department of the college in which he proposes to take a degree, or to have completed such a curriculum or its equivalent at some other institution of recognized standing, conferring the same or an equivalent baccalaureate degree. In the latter case, the diploma and other certificates of proficiency should be presented.

There is no fixed curriculum of subjects for any of these degrees, but the curriculum of study or investigation is arranged to suit the needs of each candidate, subject to the University regulations governing candidates for the master's degree. Each candidate for a degree must select his major subject in the department in which his degree is to be taken and submit a thesis showing attainment in some phase of this subject.

PROFESSIONAL DEGREES FOR WORK IN ABSENTIA.

The University confers the following professional degrees: Civil Engineer (C.E.), Mechanical Engineer (M.E.), Electrical Engineer (E.E.), and Engineer of Mines (E.M.), upon graduates of the College of Engineering of the West Virginia University on the basis of practical experience and study in absentia, the presentation of a thesis and an oral final examination.

To be eligible a candidate for a professional degree must have been in active practice of his profession for at least five years since receiving his first degree and must have been in responsible charge of important work for at least two years, and must be qualified to design as well as direct engineering work.

Application for registration as a candidate for a degree should be made not later than the first day of October in the year in which the degree is expected. Detailed regulations and registration blanks may be obtained from the Dean of the College of Engineering.

COURSES OF INSTRUCTION.

In the following announcements, the name of the course is followed by its credit value in semester hours. A credit of one semester hour is given for a lecture or recitation course meeting one hour per week for one semester and requiring two hours of preparation for each lecture or recitation.

Credit for practical work in the shops, drawing rooms, laboratories and field, is given on the basis of the actual time required, including the preparation of reports and the writing of notes, three hours of actual work counting as one recitation hour.

Courses starred (*) may be taken as undergraduate work by students in colleges other than the College of Engineering.

DRAWING, MACHINE DESIGN AND CONSTRUCTION.

Professors HAYES and GILL, Assistant Professors GROW and WHITE and Messrs. WEST, SEAMAN, H. M. CATHER, CARL, STILLMAN, GNAGEY and SCOTT.

1. **Pattern Making.** (1 Hr.) Elementary principles of pattern making. Prerequisite: A knowledge of the use of woodworking tools and the ability to make satisfactorily the principal joints used in woodwork. Those who have not had practice in woodworking will be expected to take a short intensive course in joinery before taking up the pattern work.

Both semesters; two three-hour periods weekly, one-half semester only. Messrs. SEAMAN and STILLMAN. (Also given in Summer Term.)

3. **Woodworking.** (2 or 3 Hrs.) The use of woodworking machinery in the construction of cabinet work. Prerequisite: The same as for Pattern Making 1.

Both semesters; hours to be arranged; Mr. SEAMAN and Mr. STILLMAN. (Also given in Summer Session.)

4. **Pattern Making.** (2 Hrs.) Prerequisite: Pattern Making 1, and Foundry 5.

Both semesters; two three-hour periods weekly; Mr. SEAMAN and Mr. STILLMAN.

5. **Foundry Work.** (2 Hrs.)

Both semesters; two three-hour periods weekly; Mr. SEAMAN and Mr. CARL.

6. **Foundry Work.** Advanced work for special students. Continuation of Foundry 5.

Semesters and hours to be arranged; Mr. SEAMAN and Mr. CARL.

7. **Forging.** (1 Hr.)
Both semesters; two three-hour periods weekly, one-half semester only; Mr. WEST.

8. **Forging.** Advanced work for special students. Continuation of Forging 7.
Hours to be arranged; Mr. WEST.

9. **Shop Work.** (2 Hrs.) For civil and mining engineering students only.
First semester; two three-hour periods weekly; Mr. WEST, Mr. SEAMAN and Mr. GNAGEY.

10. **Pipe Fitting.** (1 Hr.) Required of all candidates for degrees in mechanical, mining, and chemical engineering.
Both semesters; two three-hour periods weekly, one-half semester only; Mr. WEST.

11. **Machine Work.** (2 Hrs.) Hand work and elementary machine work. Lectures and shop practice.
Both semesters; two three-hour periods weekly; Professor GILL and Mr. GNAGEY.

12. **Machine Work.** (1 Hr.) A continuation of Machine Work 11, which is a prerequisite. Lectures and shop practice.
Both semesters; two three-hour periods weekly, one-half semester; Professor GILL and Mr. GNAGEY.

13. **Machine Work.** (3 Hrs.) Hand work and elements of machine work. Lectures and shop work. Equivalent to courses 11 and 12.
Summer term, four hours per day for six weeks; Professor GILL and Mr. GNAGEY.

14. **Machine Work.** (1 Hr.) A continuation of Machine Work 11 and 12 or Machine Work 13 which is a prerequisite.
Both semesters; two three-hour periods weekly for one-half semester; Professor GILL and Mr. GNAGEY.

15. **Machine Construction.** (2 Hrs.) Continuation of Machine Work 14.
Both semesters; two three-hour periods weekly; Professor GILL and Mr. GNAGEY.

16. **Shop Methods.** (2 Hrs.) A continuation of Machine Construction 15. Shop laboratory work, lectures, inspection trips, special investigations.
Second semester; two three-hour periods weekly; Professor GILL and Mr. GNAGEY.

17. **Machine Construction.** Advanced work for special students. Continuation of Machine Construction 15 and Shop Methods 16.

Hours to be arranged; Professor GILL.

20.* **Mechanical Drawing.** (2 Hrs.)

Both semesters; two three-hour periods weekly; Assistant Professor GROW, Mr. H. M. CATHER and Mr. SCOTT.

22.* **Mechanical Drawing.** (2 Hrs.) Continuation of Mechanical Drawing 20.

Both semesters; two three-hour periods weekly; Assistant Professors GROW and WHITE, Mr. H. M. CATHER and Mr. SCOTT.

23.* **Mechanical Drawing.** (2 Hrs.) Elective for students in agriculture.

Second semester; Assistant Professor GROW.

24.* **Empirical Design.** (2 Hrs.) Continuation of Mechanical Drawing 22. Prerequisite: Machine work 11 or 13.

Both semesters; two three-hour periods weekly; Assistant Professors GROW and WHITE and Mr. H. M. CATHER.

25.* **Mechanical Drawing.** (2 Hrs.) Continuation of Mechanical Drawing 22.

First semester; two three-hour periods weekly; Assistant Professor GROW and Mr. H. M. CATHER.

26.* **Descriptive Geometry.** (3 Hrs.) Prerequisite: Mechanical Drawing 20, and Solid Geometry.

Both semesters; three periods weekly; Professor MORRIS, Professor HAYES, Assistant Professor GROW and Mr. H. M. CATHER.

29. **Mechanism.** (4 Hrs.) Lectures, recitations and drawing problems. Prerequisites: Mechanical Drawing 22 and Descriptive Geometry 26.

Both semesters; two one-hour and two three hour periods weekly; Professor HAYES, Assistant Professors GROW and WHITE, and Mr. H. M. CATHER.

35. **Machine Design.** (2 Hrs.) To accompany Machine Drawing 36. Prerequisites: Mechanics 71 and Mechanism 29.

Both semesters; two periods weekly Professor HAYES.

36. **Machine Drawing.** (2 Hrs.) To accompany Machine Design 35.

Both semesters; two three-hour periods weekly; Professor HAYES and Assistant Professor WHITE.

37. Advanced Machine Design. (2 Hrs.) Continuation of Machine Design 35. To accompany Designing and Drawing 38. Lectures and recitations.

First semester; two periods weekly; Professor HAYES.

38. Designing and Drawing. (2 Hrs.) To accompany Advanced Machine Design 37.

First semester; two three-hour periods weekly; Professor HAYES and Assistant Professor WHITE.

39. Steam Engine Design. (2 Hrs.) To accompany Designing and Drawing 40. Lectures and recitations. Prerequisites: Machine Design 35 and 37 and Machine Drawing 36 and 38.

Second semester; two periods weekly; Professor HAYES.

40. Designing and Drawing. (2 Hrs.) To accompany Steam Engine Design 39.

Second semester; two three-hour periods weekly; Professor HAYES.

41. Designing and Drawing. (2 Hrs.) Continuation in the drawing room of Power-plant Design 123.

Second semester; two three-hour periods weekly; Professor HAYES and Mr. H. M. CATHER.

45. Gas Engine Design. (3 Hrs.) Prerequisite: Machine Design 35.

Second semester; hours to be arranged; Professor HAYES.

46.* Industrial Management. (1 Hr.)

Second semester; one period weekly; Professor HAYES.

47.* Industrial Engineering. (3 Hrs.)

Second semester; three periods weekly; Professor HAYES.

49. Thesis. (3 Hrs.) The working out of some special problems in design or construction or both. See general thesis requirements, page 15.

Hours to be arranged; Professor HAYES.

ELECTRICAL ENGINEERING.

Professor FORMAN, Professor HALL and Mr. LLOYD.

50.* Elements of Electrical Engineering with Laboratory. (4 Hrs.) Primarily for third year students in electrical engineering. One laboratory period a week. Prerequisite: Physics 6.
First semester; Professor FORMAN and Mr. LLOYD.

51.* Applied Electricity. (4 Hrs.) Primarily for third year students in civil engineering. One laboratory period a week. Prerequisite: Physics 6.
Both semesters; Professor FORMAN and Mr. LLOYD.

52.* Direct Current Machinery. (4 Hrs.) To follow Engineering 50. One laboratory period a week.
Second semester; Professor HALL and Mr. LLOYD.

53.* Elements of Electrical Engineering. (4 Hrs.) For fourth year students in mechanical, mining and chemical engineering. Accompanied by Electrical Laboratory. Prerequisite: Physics 23.
First semester; Professor HALL and Mr. LLOYD.

54.* Elements of Electrical Engineering. (4 Hrs.) A continuation of Engineering 53.
Second semester; Professor FORMAN and Mr. LLOYD.

55.* Alternating Current Theory and Measurements. (3 Hrs.) One laboratory period bi-weekly. Prerequisite: Engineering 50.
Second semester; Professor FORMAN.

56.* Alternating Current Machinery. (3 Hrs.) Continuation of Engineering 55. Accompanied by Electrical Engineering Laboratory 560.
First semester; Professor FORMAN.

560.* Electrical Engineering Laboratory. (2 Hrs.) To accompany Engineering 56.
First semester; Professor FORMAN and Mr. LLOYD.

57. Electric Traction. (2 Hrs.) Prerequisite: Engineering 56.
Second semester; Professor HALL.

58. Illumination and Signalling. (2 Hrs.) Prerequisite: Physics 6.
First semester; Professor FORMAN.

590. Electrical Design and Calculations. (3 Hrs.) Nine hours a week in the designing room. Prerequisite: D. C. Machinery 52.
First semester; Professor HALL.

600. Advanced Electrical Laboratory. (2 Hrs.) Prerequisite: A. C. Machinery 56.
Second semester; Professor FORMAN.

610. Electric Construction. (2 Hrs.) Special construction work assigned to students according to previous experience. Assignments for reports, will be made by the instructor to engineering literature and to electrical equipment outside the University laboratories.
Both semesters; Professor HALL and Mr. LLOYD.

62, (162). Transients, Surges and Electric Waves. (3 Hrs.) Prerequisite: Electrical Engineering 56.
Second semester; Professor FORMAN.

63. Electric Generation and Distribution. (3 Hrs.) Prerequisite: Engineering 54.
First semester; Professor HALL.

630. Electric Generation and Distribution. (3 Hrs.) To follow Engineering 63.
Second semester; Professor HALL.

640, (164). Electrical Research. For graduate students only. Hours and credits to be arranged; Professor FORMAN.

65, (165). Industrial Applications of Electricity. (3 Hrs.) Prerequisite: Electrical Engineering 56.
Second semester; Professor HALL.

67, (167). High Tension Dielectric Phenomena. (3 Hrs.) Prerequisite: Engineering 55.
Second semester; Professor FORMAN.

68, (168). Telephone Engineering. (3 Hrs.) One laboratory period a week. Prerequisite: Engineering 55.
Second semester; Professor FORMAN.

69, (169). Thesis. (3 Hrs.) Special investigation or original research on some topic relating to electrical engineering.
Professor FORMAN and Professor HALL.

MECHANICS.

Professor BOOMSLITER and Assistant Professor CATHER.

70.* Statics. (3 Hrs.) Prerequisite: Integral Caluculus.
Second semester; Professor BOOMSLITER and Assistant Professor CATHER.

71.*Mechanics of Materials. (4 Hrs.) Prerequisite: Statics 70.
First semester; Professor BOOMSLITER and Assistant Professor CATHER.

72.* Kinetics. (3 Hrs.) Continuation of Statics 70. Prerequisite: Statics 70.
Second semester; Professor BOOMSLITER and Assistant Professor CATHER.

73.* Hydraulics. (2 Hrs.) Prerequisite: Kinetics 72.
Both semesters; Professor DAVIS (Department of Structural and Hydraulic Engineering).

76. Mechanics. (5 Hrs.) Includes Statics 70, and first half of Mechanics and Materials 71. **Not offered after 1925-26.**
First semester; Professor BOOMSLITER and Assistant Professor CATHER.

77. Mechanics. (5 Hrs.) Continuation of Course 76. Includes last half of Mechanics of Materials 71 and Kinetics 72. **Not offered after 1925-26.**
Second semester; Professor BOOMSLITER and Assistant Professor CATHER.

NOTE: Mechanics 76 and 77 are intended for students who have taken Mathematics 13 and 14 in the sophomore year.

MINING ENGINEERING.

Associate Professor LAWALL and Assistant Professor FRASER.

80. Mine Surveying. (2 Hrs.) Prerequisite: Advanced Surveying 102.

Second semester; Associate Professor LAWALL.

81. Mining. (2 Hrs.) Prerequisite: Chemistry 6, Physics 6.

First semester; Assistant Professor FRASER.

82. Coal Mining. (4 Hrs.) Prerequisite: Coal Mining 81.

Second semester; Associate Professor LAWALL.

83. Mine Ventilation. (3 Hrs.) Prerequisite: Coal Mining 81 and 82.

First semester; Associate Professor LAWALL.

84. Mine Management. (1 Hr.) Prerequisite: Coal Mining 82.

Second semester; Associate Professor LAWALL.

86. Mine Design. (2 Hrs.) Prerequisite: Coal Mining 82 and registration in Structural Engineering 144.

First semester; Associate Professor LAWALL and Assistant Professor FRASER.

87. Mine Design. (3 Hrs.) Continuation of Mine Design 86, which is prerequisite.

Second semester; Associate Professor LAWALL and Assistant Professor FRASER.

88. Mining Methods. (4 Hrs.) A study of the coal fields and mining methods of West Virginia and the United States. Supplemented by field work in the vicinity of Morgantown. Inspection trips, with written reports, are required. Prerequisite: Coal Mining 82.

Second semester; Assistant Professor FRASER.

89. Elementary Mineralogy. (1 Hr.) Prerequisite: Chemistry 2.

Either semester; Assistant Professor FRASER.

90. Mine Surveying. (3 Hrs.) This course is a continuation of and gives practice supplementing Mine Surveying 80. It must be taken during the summer term immediately following the semester in which Course 80 is taken.

Summer term; eighteen working days, 8:00-12:00 and 1:00-5:00; Associate Professor LAWALL and Assistant Professor FRASER.

92. **Oil and Gas Production.** (2 Hrs.) Addresses by oil and gas producers and other experts constitute a part of this course. Prerequisite: Geology 13.

Second semester; Associate Professor SCHEFFEL (Department of Geology), 112 M. H.

95. **Mining Laboratory.** (3 Hrs.) Prerequisite: Coal Mining 82 and Coal Laboratory 96.

Second semester; Associate Professor LAWALL.

96. **Coal Laboratory.** (1 Hr.) Prerequisite: Chemistry 6.

First semester; Associate Professor LAWALL.

98.* **Geological Surveying.** (2 Hrs.) Prerequisite: Mine Surveying 90 and Field Geology 17.

Second semester; Assistant Professor FRASER.

99. **Thesis.** (3 Hrs.) An individual problem on some phase of mining. None but exceptional students having high scholastic standing will be permitted to elect this course.

RAILWAY AND HIGHWAY ENGINEERING AND SURVEYING.

Professor MORRIS and Mr. NELSON.

100.* Land Surveying. (3 Hrs.) Required of all candidates for degrees in civil and mining engineering. Lectures, recitations, field practice.

Both semesters; Professor MORRIS and Mr. NELSON.

101.* Surveying. (1 Hr.) Primarily for first year students. Required for degrees in mechanical, electrical, and chemical engineering. Prerequisite: Plane trigonometry.

Second semester; Professor MORRIS and Mr. NELSON.

102. Advanced Surveying. (2 Hrs.) Continuation of Surveying 100.

Both semesters; Professor MORRIS and Mr. NELSON.

103. Topographical Surveying. (2 Hrs.) Lectures, recitations, field practice and map drawing. Prerequisite: Land Surveying 100.

Second semester; Professor MORRIS.

104. Railway Location. (3 Hrs.) Lectures, recitations, field work, and drawing. Prerequisite: Land Surveying 100.

First semester; Professor MORRIS.

105. Railway Construction and Maintenance. (3 Hrs.) Prerequisite: Railway Location 104.

Both semesters; Professor MORRIS.

106. Roads and Pavements. (3 Hrs.) Lectures, recitations and field work.

First semester; Professor MORRIS.

107. Railroad Economy. (2 Hrs.)

Second semester; Professor MORRIS.

108. Highway Economics. (2 Hrs.) Continuation of Roads and Pavements 106, with special reference to permanent improvements and maintenance of existing roads.

Second semester; Professor MORRIS.

109. Surveying. (1 Hr.) Surveying practice supplementing Courses Nos. 100, 102 and 103. Prerequisite: Topographical Surveying 103.

Summer term; first six working days, 8:00-12:00 and 1:00-5:00; Professor MORRIS.

110. **Railroad Surveying.** (2 Hrs.) Surveying practice supplementing Railway Location 104. Prerequisite: Railway Location 104.

Summer term; first twelve working days, 8:00-12:00 and 1:00-5:00; Professor MORRIS.

113. **Thesis.** (3 Hrs.) Optional thesis requirement for the degree of B.S.C.E. (See page 189.)

Second semester; hours to be arranged; Professor MORRIS.

STEAM, GAS AND EXPERIMENTAL ENGINEERING.

Professor GRUMBEIN and Mr. AMIDON.

120. **Heat Engineering.** (3 Hrs.) Arranged especially for civil and mining engineering students. Prerequisite: Physics 5 and 3 and Integral Calculus.

First semester; Mr. AMIDON.

121.* **Thermodynamics of Engineering.** (3 Hrs.) Prerequisites: Physics 5 and 3, and Integral Calculus.

First semester; Professor GRUMBEIN.

122* **Heat Engines.** (3 Hrs.) Continuation of Thermodynamics 121.

Second semester; Professor GRUMBEIN.

123. **Power Plant Design.** (3 Hrs.) Prerequisite: Thermodynamics 121.

First semester; Professor GRUMBEIN.

124. **Steam Boilers.** (2 Hrs.) Prerequisites: Machine Design 35 and Thermodynamics 121.

Hours to be arranged; Professor GRUMBEIN.

125. **Steam Turbines.** (3 Hrs.) Prerequisite: Heat Engines 122.

Second semester; Professor GRUMBEIN.

126. **Gas Engines and Gas Engineering.** (3 Hrs.) Fuel gases, gas production and transmission, gas engines, etc. Prerequisite: Heat Engines 122.

Second semester; Professor GRUMBEIN.

127.* **Heating and Ventilating.** (3 Hrs.) Optional for students in mechanical engineering. Prerequisite: Thermodynamics 121, or Heat Engineering 120.

Second semester; Professor GRUMBEIN.

130. Mechanical Laboratory. (2 Hrs.) Prerequisites:Physics 6 and Statics 70, and accompanying Heat Engineering 120 or Thermodynamics 121.

First semester; Professor GRUMBEIN and Mr. AMIDON.

131. Mechanical Laboratory. (2 Hrs.) Continuation of Mechanical laboratory 130. Prerequisites: Mechanical Laboratory 130 and Mechanics of Materials 71.

Second semester; Professor GRUMBEIN and Mr. AMIDON.

132. Engineering Laboratory. (2 Hrs.) Prerequisite: Mechanical Laboratory 131.

First semester; Professor GRUMBEIN and Mr. AMIDON.

133. Engineering Laboratory. (2 Hrs.) Continuation of Laboratory 132. Prerequisite: Engineering Laboratory 132.

Second semester; Professor GRUMBEIN and Mr. AMIDON.

134. Engineering Laboratory. Open only to graduates. Commercial tests and research work. Prerequisite: Engineering Laboratory 133. Credit will be given on the basis of the time spent in the laboratory and the progress of the students.

Hours to be arranged; Dean JONES and Professor GRUMBEIN

135. Thesis. (3 Hrs.) Investigation or original research on some special topic relating to steam, gas or experimental engineering.

Second semester; Professor GRUMBEIN.

136. Highway Laboratory. Open to fourth year and graduate students in civil, mechanical, chemical, and mining engineering. Credit will be given on basis of time spent in the laboratory and progress of the student.

Hours to be arranged; Professor GRUMBEIN.

STRUCTURAL AND HYDRAULIC ENGINEERING.

Professor DAVIS and Mr. L. V. CARPENTER.

141. Roofs and Bridges. (4 Hrs.) Prerequisite: Mechanics of Materials 71.

Second semester. Professor DAVIS and Mr. CARPENTER.

142. Bridge Design. (4 Hrs.) Prerequisite: Roofs and Bridges 141.

First semester. Professor DAVIS and Mr. CARPENTER.

143. Advanced Structures. (3 Hrs.) Prerequisite: Roofs and Bridges 141.

Second semester. Professor DAVIS and Mr. CARPENTER.

144. Structural Engineering. (3 Hrs.) Prerequisite: Mechanics of Materials 71.

First semester. Professor DAVIS and Mr. CARPENTER.

145. Steel Building Design. (3 Hrs.) As a part of this course a small mill building is completely designed and show drawings made for it. Prerequisite: Roofs and Bridges 141.

Either semester. Professor DAVIS.

146. Foundations and Masonry. (3 Hrs.) Prerequisites: Mechanics of Materials 71, and Mechanical Laboratory 130.

First semester. Professor DAVIS and Mr. CARPENTER.

147. Concrete Construction. (3 Hrs.) Prerequisites: Roofs and Bridges 141.

Second semester. Professor DAVIS and Mr. CARPENTER.

148. Sanitary Engineering. (2 Hrs.) Prerequisite: Hydraulics 73.

Second semester. Mr. CARPENTER.

149. Water Supply Engineering. (3 Hrs.) Prerequisite: Hydraulics 73.

First semester. Professor DAVIS and Mr. CARPENTER.

150. Water Power Engineering. (3 Hrs.) Prerequisite: Hydraulics 73.

Second semester. Professor DAVIS.

151. Hydraulic Measurements. (1 Hr.) Prerequisite: Hydraulics 73.

Either semester. Professor DAVIS.

152. Thesis. (3 Hrs.) Special design, investigation or original research on some assigned topic relating to structural, hydraulic or sanitary engineering.

Second semester. Professor DAVIS.

153. Sewage and Water Purification Works. (2 Hrs.) A continuation of Courses 148 and 149. Prerequisites: Sanitary Engineering 148 and Water Supply Engineering 149.

Both semesters. Mr. CARPENTER.

154. Statically Indeterminate Structures. Open only to graduate students. A continuation of Course 143. Prerequisite: Course 143.

Credit and hours to be arranged.

Both semesters. Professor DAVIS.

155. Advanced Bridge Design. Computation and drawings for some type of statically indeterminate structure. Prerequisite: Courses 143 and 142.

Credit and hours to be arranged.

Both semesters. Professor DAVIS.

156. Materials of Construction. (2 Hrs.) Prerequisite: Mechanics of Materials 71.

First semester. Mr. CARPENTER.

157. Advanced Water Power Engineering. A continuation of Course 150 with special emphasis on hydrology and the design of turbines. Open only to graduate students.

Credit and hours to be arranged.

Both semesters. Professor DAVIS.

158. Statically Indeterminate Structures. A continuation of Course 154. Open only to graduate students.

Credit and hours to be arranged.

Both semesters. Professor DAVIS.

GENERAL AND MISCELLANEOUS.

161*. **Business Law.** (3 Hrs.) General principles of business law. The law of contracts. Standard contract forms. Prerequisite: Economics 3 or 1 and 2, and Mechanics 71.

First semester; Professor BOOMSLITER.

162. **Engineering Society.** (1 Hr.) Primarily for third year students. Required of all candidates for degrees in engineering. Membership, attendance and active participation in the Engineering Society. See special announcements, page 184.

Throughout the year; bi-weekly; Professor GRUMBEIN, 226 M. H.

163. **Engineering Society.** (1 Hr.) For fourth year and graduate students. Required of all candidates for degrees in engineering. Continuation of Engineering Society 162.

Throughout the year; bi-weekly; Professor GRUMBEIN, 226 M. H.

164. **Summer Practice.** (2 Hrs.) Required of all candidates for degrees in engineering. At least six weeks of practical experience in some branch of engineering activity. preferably of a character that will articulate with the student's major subjects. Students are recommended to spend all vacation periods in practical work but under exceptional circumstances the Faculty of the College of Engineering may permit the substitution of an approved practical course taken in residence. Application for summer credit should be made before beginning the work; and the work done should be certified and reported in accordance with the special rules for Summer Practice, on or before October 1st, after the work has been done. Work may be done during any vacation period.

165. **Engineering Lectures.** (No credit.) Required of all freshmen in engineering. A series of lectures designed to acquaint the engineering student at the beginning of his course with the profession he has chosen. Factors determining choice of engineering as a profession; the various kinds of engineering and the ability, training, opportunities, and responsibilities involved in each; problems and difficulties of the engineering student; the engineering point of view as applied to the student's daily environment and college life.

First semester; W., 4:30 p. m.; Professor BOOMSLITER.

CHEMICAL AND METALLURGICAL ENGINEERING.

Professor HODGE and Assistant Professor KOEHLER.

171. Metallurgy of Iron and Steel. (2 Hrs.) Prerequisite: Chemistry 6.

First semester. Professor HODGE.

172*. Metallurgy Laboratory. (1 Hr.) To accompany Course 171. Preparation and microscopical examination of twenty-five specimens of iron and steel; analytical determinations.

First semester. Professor HODGE and Assistant Professor KOEHLER.

173. Metallurgy, Non-Ferrous. (2 Hrs.) Prerequisites: Chemistry 6 and Mechanical Laboratory 131.

Second semester. Professor HODGE.

174. Metallography Laboratory. (2 Hrs.) Prerequisites: Chemlurgy 171, 172 and 173 and Chemistry 60.

Second semester. Professor HODGE.

175. Ceramics. (2 Hrs.) A review of the ceramic industries. Chemical and engineering principles applied in the manufacture of ceramic materials, pottery, enamels and glass. Prerequisite: Chemistry 21.

Either semester. Assistant Professor KOEHLER.

176. Ceramics Laboratory. (1 Hrs.) Working and testing of clays. Compounding of bodies, glazes, and enamels. Biscuit and glost firing; firing of enamel ware. Factory control tests. Prerequisite: Chemical Engineering 175.

Either semester. Assistant Professor KOEHLER.

177. Refractories. (1 Hr.) Manufacture, properties, and uses of refractory materials. Standard tests. Study of phase rule diagrams of refractory materials. Prerequisite:Chemistry 21.

Either semester. Assistant Professor KOEHLER.

178. Fuels. (3 Hrs.) Prerequisites: Chemistry 6 and Mechanical Laboratory 130. Recitations and laboratory.

Either semester. Professor HODGE and Assistant Professor KOEHLER.

179. Glass. (2 Hrs.) Physical and chemical properties of glass. Methods of analysis of glass and of raw materials. Theory and factory practice of manufacture. Prerequisite: Chemical Engineering 175.

Both semesters. Assistant Professor KOEHLER.

180. **Benzene Derivatives.** (2 Hrs.) Manufacture of commercial products from benzene and related compounds; intermediates, dyes, drugs and explosives. Prerequisite: Chemistry 33. Recitation and laboratory.

Second semester. Professor HODGE.

181†. **Chemical Engineering and Manufactures.** (2 Hrs.) Prerequisites: Chemistry 60 and Mechanical Laboratory 131.

First semester. Professor HODGE.

182. **Industrial Chemistry Laboratory.** (2 Hrs.) To accompany Course 181.

First semester. Professor HODGE and Assistant Professor KOEHLER.

183. **Chemical Engineering and Manufactures.** (2 Hrs.) Continuation of Course 181.

Second semester. Professor HODGE.

184. **Chemical Engineering Laboratory.** (2 Hrs.) To accompany Course 183. Continuation of Course 182.

Second semester. Professor HODGE and Assistant Professor KOEHLER.

185. **Oil Laboratory.** (1 Hr.) Primarily for students taking the Oil and Gas Option. Prerequisite: Chemistry 6.

First semester. Assistant Professor KOEHLER.

186. **Oil Refining Laboratory.** (2 Hrs.) Prerequisites: Chemistry 33 and Mechanical Laboratory 131.

Second semester. Professor HODGE.

187. **Water Examination and Purification.** (2 Hrs.) Prerequisite: Chemistry 6. Recitations and laboratory.

First semester. Professor HODGE.

190. **Electrochemical Industries.** (3 Hrs.) Primarily for graduate students; open to qualified chemical engineering seniors. Prerequisites: Electrical Engineering 53, and Chemistry 60.

Second semester. Assistant Professor KOEHLER.

192. Biochemical Industries. (3 Hrs.) Primarily for graduate students. Open to qualified seniors in chemical engineering. Prerequisites: Chemical Engineering 183 and 184.

First semester. Professor Hodge.

193. Coal Tar and By-Products. Open only to graduate students and qualified seniors in chemical engineering. Prerequisites: Chemical Engineering 180, 183 and 184.

Second semester. Professor Hodge.

195. Thesis. (2 to 5 Hrs.) Primarily for seniors in chemical engineering and graduate students. Some problem in chemical engineering or industrial chemistry is selected for investigation. A carefully prepared report is required. Credit is given in proportion to time put in and results obtained.

First semester. Professor Hodge and Assistant Professor Koehler.

196. Research Problems. (5 to 10 Hrs.) More advanced and extended work on research problems than can be given in Course 185. Credit in proportion to work done but as a general rule no student will be allowed to register for this course who cannot put in time equivalent to 8 hours credit per semester for two consecutive semesters. Prerequisites: Chemical Engineering 183 and 184.

Either semester. Professor Hodge and Assistant Professor Koehler.

197. Research Problems. A continuation. Second semester.

INDUSTRIAL EDUCATION.

Professor MACLIN.

200. Vocational Guidance. (2 Hrs.)

First semester; T., Th., 8:00; Professor MACLIN, 16 W.

201. Organization and Administration. (2 Hrs.) The organization of vocational schools, classes and subject matter for the purpose of teaching.

First semester; hours to be arranged; Professor MACLIN.

202. Methods of Teaching. (2 Hrs.) Some practice teaching. Prerequisite: Course 201.

Second semester; hours to be arranged; Professor MACLIN.

203. Foreman Training. (2 Hrs.) An analysis of the job of foreman, organiatzion of foreman training classes in industrial plants, the foreman as a teacher.

Second semester; hours to be arranged; Professor MACLIN.

205. Part-Time Education. (2 or 3 Hrs.) Open to juniors and seniors and those holding a junior high school certificate.

First semester; T., Th., 9:00; Professor MACLIN, 16 W.

210. Shopwork. (2 or 3 Hrs.) Summer shop practice out of residence required for the degree of B.S. in Industrial Education. This work to be along the line of the major or minor group.

211. Shopwork. (2 or 3 Hrs.) Summer shop practice out of residence required for the degree of B.S. in Industrial Education. This work to be along the line of the major or minor group.

221 (121). Vocational Education. (2 Hrs.) Open to juniors, seniors and graduates. Graduate students will work out special problems under the direction of the instructor. This course is intended for superintendents, principals, and vocational teachers to acquaint them with influences which tend to broaden our educational activities, with federal and state aid, with the types of work suitable for different communities, and with the qualifications of teachers.

First semester; T., Th., 10:00; Professor MACLIN, 16 W.

VOCATIONAL COURSES OFFERED IN SUMMER SCHOOL.

The following courses will be offered during the summer session: Organization and Administration of Manual Training, Trade Analysis and Methods of Teaching Trade and Related Subjects, and a course in Vocational Education. In the shops the following courses: Woodworking, Mechanical Drawing, Sheet Metal Work, Machine Shop Practice and Farm Blacksmithing.

SHORT COURSE IN COAL MINING.

The Short Course in Coal Mining offered by the Department of Mining Engineering gives an opportunity to operators, officials and employes of the mining companies to obtain instruction pertaining to their work. The subjects covered in the Short Course are: explosives, methods of working, timbering, mine gases, mine ventilation, hoisting, haulage, mine drainage, safety lamps, mine management, electricity in mines, mine fires and explosions, safety organization and administration, mining arithmetic, and elementary mechanical drawing.

Special attention is given to students desirous of preparing themselves for the teaching of mining classes under the Smith-Hughes Act.

Through the co-operation of the West Virginia Department of Mines instruction in first aid and mine rescue work is given.

At the close of the Short Course the Department of Mines of West Virginia will hold an examination for mine foremen and fire bosses.

Tuition is free. It is believed that $60 should cover all necessary expenses for the six weeks, excluding traveling expenses.

The thirteenth annual session of the Short Course in Coal Mining will begin on Monday, June 8, and continue until Saturday, July 8. 1925. For further information write for the special announcement of the Short Course in Coal Mining.

VOCATIONAL COURSES OFFERED IN EXTENSION.

Industrial Education.

The Department of Industrial Education will each year conduct in appropriate centers the courses offered in residence that may be of particular interest to the local teachers and those expecting to teach.

Coal Mining.

Extension courses in mining are offered under the direction of the University at various mining towns throughout the state. The instruction in these courses is carried on by a University extension instructor who visits each center every week. At the present time the work is planned on a two-year basis to cover the following unit courses: Mine Gases, Safety Lamps, Ventilation, Timbering, Explosives, Haulage, and Drainage and Pumping. In each of these unit courses particular emphasis is placed on safety features, state mining law and application of arithmetic.

ENGINEERING EXPERIMENT STATION.

On June 24, 1921, the Board of Education authorized the College of Engineering to organize and prepare for work along experimental lines leading to an Engineering Experiment Station, and named the Dean of the College of Engineering as director of said station when established.

The purpose of the Station shall be to conduct original researches, investigations, experiments and tests bearing upon the varied branches of engineering, industries, industrial occupations and natural resources of the State, including problems in agriculture common to both engineering and agriculture, and to make the results of such investigations available to the public by the publication of a series of bulletins. Incidentally, one of the important functions of the Station shall be to train men for research work and to encourage young men to pursue graduate studies. Particular attention will be given to the natural resources of the state, including coal, oil, gas, timber, clays, stone, sand, and gravel; investigations and experiments relating to the production, preparation, properties, manufacture, and transportation of materials, water power, water supply, sewerage, sanitation, road building, transportation, manufacturing wastes, power, lighting, heating, refrigerating, and ventilation.

The Station will co-operate with the departments of physics, chemistry and geology and with the Agricultural Experiment Station, the State Road Commission, the State Geological Survey, the State Department of Mines, the Sanitary Department of the State Board of Health and any other agency in the state carrying on research work along engineering lines or which may be in need of the assistance of research engineers or engineering advice in carrying on its investigations.

The Director and heads of the departments of the College of Engineering compose the executive staff and are responsible for the establishment of the general policies governing the work of the Station, including material for publication.

The College of Agriculture

THE FACULTY.

FRANK BUTLER TROTTER, A.M., LL.D., *President of the University*

GEORGE RICHARD LYMAN, PH.D., *Dean*

*LEONARD MARION PEAIRS, M.S., *Professor of Entomology*

*NAHUM JAMES GIDDINGS, PH.D., *Professor of Plant Pathology*

*ERNEST LEE ANTHONY, M.S., *Professor of Dairy Husbandry*

*EDWARD ALEXANDER LIVESAY, M.S., A.M., *Professor of Animal Husbandry*

RACHEL HARTSHORN COLWELL, B.S., A.M., *Professor of Home Economics*

*MAXWELL JAY DORSEY, PH. D., *Professor of Horticulture*

*RALPH JOHN GARBER, PH.D., *Professor of Agronomy*

*ANDREW JACKSON DADISMAN, PH.D., *Professor of Farm Economics*

EDGAR LEWIS ANDREWS, M.S., *Associate Professor of Poultry Husbandry*

*HARRY EDWARD KNOWLTON, PH.D., *Associate Professor of Horticulture*

*HARLEY LUCIUS CRANE, M.S.AGR., *Associate Professor of Horticulture*

*EUGENE PEYTON DEATRICK, PH.D., *Associate Professor of Soils*

*HARRY ORAM HENDERSON, M.S., *Associate Professor of Dairy Husbandry*

HOWARD BUSHNELL ALLEN, M.S., *Associate Professor of Agricultural Education*

*THEODORE EUGENE ODLAND, M.S., *Associate Professor of Agronomy*

*KYLE CHESTER WESTOVER, M.S.AGR., *Assistant Professor of Horticulture*

ROY A. OLNEY, M.S., *Assistant Professor of Agricultural Education*

*LEON H. LEONIAN, PH.D., *Assistant Professor of Plant Pathology*

*CHARLES VINYARD WILSON, M.S., *Assistant Professor of Animal Husbandry*

*ERWIN COVERDALE STILLWELL, M.S., *Assistant Professor of Animal Husbandry*

NELL NESBITT, A.M., *Assistant Professor of Home Economics*

JEAN ELNORA RICHMOND, A.M., *Assistant Professor of Home Economics*

**CHARLES HENRY HARTLEY, B.S., *Instructor in Agricultural Extension*

***CHARLES ELLSWORTH STOCKDALE, B.S.AGR., *Instructor in Agricultural Journalism*

*ERNEST ANGELO, B.S.AGR., *Instructor in Horticulture*

ALICE MILNER TAYLOR, B.S.H.E., *Instructor in Home Economics*

*FERRIS DEWEY CORNELL, JR., M.S., *Instructor in Farm Mechanics*

*KARL SPANGLER QUISENBERRY, B.S.AGR., *Instructor in Agronomy*

ISABELLE LOWE COCHRANE, B.S., *Instructor in Home Economics*

**EDWARD LEE SHAW, B.S.AGR., *Instructor in Animal Husbandry*

DICKSON WARD PARSONS, M.S., *Instructor in Vocational Agriculture*

***WALTER W. ARMENTROUT, B.S.AGR., *Instructor in Farm Economics*

SARA ELIZABETH SLATER, B.S., *Instructor in Home Economics*

*WARREN GIFFORD, B.S.AGR., *Instructor in Dairy Husbandry*

*TROY MANSELL CURRENCE, B.S.AGR., *Instructor in Horticulture*

*GEORGE MALCOLM TROUT, M.S., *Instructor in Dairy Husbandry*

*SHERMAN SHAW WHEELER, M.S., *Instructor in Animal Husbandry*

*PAUL AXEL EKE, PH.D., *Instructor in Farm Economics*

HAZEL MARY GODDARD, B.S., *Assistant in Home Economics*

HARRY NEIGHARD GRUBER, B.S.AGR., *Field Instructor, U. S. Veterans' Bureau*

JOHN F. CAMPBELL, B.S., *Field Instructor, U. S. Veteran's Bureau*

ARLO BOWLBY CARROLL, B.S.AGR., *Instructor, U. S. Veterans' Bureau*

*BRYAN LEWELLYN WADE, B.S.AGR., *Graduate Assistant in Agronomy*

*FRANK WALDO CRAIG, B.S.AGR., *Graduate Assistant in Entomology*

ERNEST THOMAS WIGHTMAN, B.S.AGR., *Graduate Assistant in Poultry Husbandry*

*LEWIS GLENN STARK, B.S.AGR., *Graduate Assistant in Horticulture*

HICKMAN CHARLES MURPHY, *Student Assistant in Agronomy*

GEORGE OSCAR MULLAN, *Student Assistant in Poultry Husbandry*

JOSIAH WALLACE BAIRD, JR., *Student Assistant in Dairy Husbandry*

ALLEN McKINLEY ELLIOTT, *Student Assistant in Dairy Husbandry*

JOHN CHARLES JOHNSTON, *Secretary*

*Member of Staffs of Instruction and Experiment Station.
**Member of staffs of Instruction and Extension.
***Member of staffs of Instruction, Experiment Station and Extension.

WEST VIRGINIA AGRICULTURAL EXPERIMENT STATION STAFF.

GEORGE RICHARD LYMAN, PH.D., *Dean of the College of Agriculture*

HENRY GRANGER KNIGHT, PH.D., *Director and Chemist*

WILLIAM EARL RUMSEY,[2] B.S.AGR., *State Entomologist*

*LEONARD MARION PEAIRS, M.S., *Entomologist*

HORACE ATWOOD, M.S.AGR., *Poultry Husbandman*

*NAHUM JAMES GIDDINGS, PH.D., *Plant Pathologist*

*ERNEST LEE ANTHONY, M.S., *Dairy Husbandman*

*EDWARD ALEXANDER LIVESAY, M.S., A.M., *Animal Husbandman*

*MAXWELL JAY DORSEY, PH.D., *Horticulturist*

*RALPH JOHN GARBER, PH.D., *Agronomist*

*ANDREW JACKSON DADISMAN, PH.D., *Farm Economist*

*HARRY EDWARD KNOWLTON, PH.D., *Associate Horticulturist*

*HARLEY LUCIUS CRANE, M.S.AGR., *Associate Horticulturist*

*EUGENE PEYTON DEATRICK, PH.D., *Associate Soil Technologist*

*HARRY ORAM HENDERSON, M.S., *Associate Dairy Husbandman*

*THEODORE EUGENE ODLAND, M.S., *Associate Agronomist*

CHARLES EDWARD WEAKLEY, JR., A.B., *Assistant Chemist*

ANTHONY BERG, M.S., *Assistant Plant Pathologist*

LUTHER FRANCIS SUTTON,[3] B.S.AGR., *Assistant Horticulturist*

*KYLE CHESTER WESTOVER, M.S.AGR., *Assistant Horticulturist*

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*LEON H. LEONIAN, PH.D., *Assistant Plant Pathologist*

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*ERNEST ANGELO, B.S.AGR., *Junior Horticulturist*

*FERRIS DEWEY CORNELL, JR., M.S., *Junior Farm Engineer*

*KARL SPANGLER QUISENBERRY, B.S.AGR., *Junior Agronomist*

THOMAS JOSEPH COCHRANE, B.S., *Junior Chemist*

***WALTER W. ARMENTROUT, B.S.AGR., *Junior Farm Economist*

*WARREN GIFFORD, B.S.AGR., *Junior Dairy Husbandman*

*TROY MANSELL CURRENCE, B.S.AGR., *Junior Horticulturist*

*GEORGE MALCOLM TROUT, M.S., *Junior Dairy Husbandman*

*SHERMAN SHAW WHEELER, M.S., *Junior Animal Husbandman*

*PAUL AXEL EKE, PH.D., *Junior Farm Economist*

JOHN CHARLES JOHNSTON, *Chief Clerk*

1In co-operation with the U. S. Department of Agriculture.
2In co-operation with the State Department of Agriculture.
3In charge of Reymann Memorial Farms.
4In charge of sub-station at Maggie, W. Va.
*Member of staffs of Instruction and Experiment Station.
**Member of staffs of Experiment Station and Extension.
***Member of staffs of Instruction, Experiment Station and Extension.

WEST VIRGINIA UNIVERSITY AGRICULTURAL EXTENSION STAFF.

GEORGE RICHARD LYMAN, PH.D., *Dean of the College of Agriculture*

NAT TERRY FRAME, A.B., *Director*

WILLIAM HENRY KENDRICK, B.S., *Assistant Director in Charge of Four-H Club Work*

CHARLES HENRY HARTLEY, B.S., *Assistant Director in Charge of Supplementary Instruction*

HAZEL MARION HORSFALL, B.S., *State Four-H Club Agent*

***CHARLES ELLSWORTH STOCKDALE, B.S.AGR., *Agricultural Editor*

*EDWARD LEE SHAW, B.S.AGR., *Sheep Specialist*

DEE CRANE, *Potato Specialist*

DAVID ROLLIN DODD, B.S.AGR., *Agronomy Specialist*

BENJAMIN FRANKLIN CREECH, B.S.AGR., *Beef Cattle and Hogs Specialist*

HUGH WILLARD PRETTYMAN, B.S.AGR., *Superintendent of the Packing School*

THOMAS DAVIS GRAY, B.S., *Horticultural Specialist*

MARY CATHRYN MORELAND, B.S.AGR., *Home Industries Specialist*

**EVERETT CLIFTON SHERWOOD, M.S., *Plant Disease Specialist*

AARON HAROLD RAPKING, B.D., *Specialist in Rural Organization*

JAMES VINCENT HOPKINS, B.S.AGR., *Dairy Specialist*

***WALTER W. ARMENTROUT, B.S.AGR., *Marketing Specialist*

ORVILLE DEWEY WHITE, B.S.AGR., *Poultry Specialist*

GEORGE JAY VAN DERVEER, B.S., *Assistant Poultry Specialist*

JEANNETTE WEIL, *Chief Clerk in Charge of Clerks and Stenographers*

*Member of staffs of Instruction and Extension.
**Member of staffs of Experiment Station and Extension.
***Member of staffs of Instruction, Experiment Station and Extension.

FACULTY COMMITTEES.

Agricultural Students' Courses and Hours: Dean LYMAN, Professors PEAIRS, GIDDINGS and ANTHONY.

Home Economics Students' Courses and Hours: Dean LYMAN, Professor COLWELL and Assistant Professor RICHMOND.

Farm Operations: Professors DADISMAN, ANTHONY and GARBER, Associate Professors ANDREWS and KNOWLTON and Assistant Professor WILSON.

ORGANIZATION.

All the agricultural and home economics work of the University is organized under the College of Agriculture. For the purposes of administration the college is divided into four branches, viz:

I. The Agricultural Experiment Station, organized for research and experimental work.

II. Resident instruction in agriculture.

III. Resident instruction in home economics.

IV. Extension work for all citizens of the State who desire instruction in agriculture and home economics while living on the farm. This work is given by the Division of Agricultural Extension.

The primary divisions of the work of the College of Agriculture should be clearly distinguished. Some of its staff are engaged in college instruction, experiment station research and extension teaching; some give their entire time to instruction; a few give their entire time to experiment station work and several are engaged entirely in extension work.

THE WEST VIRGINIA AGRICULTURAL EXPERIMENT STATION.

The Experiment Station was established by the Board of Regents in 1887, by authority of an act of Congress known as the Hatch Act. Further support was given by an act of Congress known as the Adams Act, approved June 30, 1906. From the appropriations made by Congress under these acts the Station derives an annual income of thirty thousand dollars. Section 2 of the Hatch Act fully states the object and purpose of the Experiment Station as follows:

"That it shall be the object and duty of the said Experiment Station to conduct original researches or verify experiments on the physiology of plants and animals; the diseases to which they are severally subject with the remedies for the same; the chemical composition of useful plants at their different stages of growth; the comparative advantages of rotative cropping as pursued under varying series of crops; the capacity of new plants or trees for acclimation; the analysis of soils and water; the chemical composition of manures, natural or artificial, with experiments designed to test their comparative effects on crops of different kinds; the adaptation and value of grasses and forage plants; the composition and digestibility of the different kinds of foods for domestic animals; the scientific and economic questions involved in the production of butter

and cheese; and such other researches and experiments bearing directly on the agricultural industry of the United States as may in each case be deemed advisable, having due regard to the varying conditions and needs of the respective states and territories."

The State Legislature makes appropriations for the same purposes. During the present biennial period these appropriations amounted to seventy thousand dollars a year.

At present, investigations are being conducted in the fields of animal husbandry, dairy husbandry, poultry husbandry, field crops, horticulture, entomology, plant pathology, agricultural chemistry, soils, rural economics, farm engineering and veterinary science, which are classified into sixty-six research projects. For the purpose of carrying out the work of the Experiment Station certain laboratory spaces in the College of Agriculture are set aside, and five farms in the neighborhood of Morgantown belonging to West Virginia University are used for field laboratories. Further investigations are carried on at Morgantown, and at other points in the State, in co-operation with the United States Department of Agriculture, and with private individuals. At Maggie, the State Board of Control has leased certain lands to the Experiment Station upon which investigations upon tobaccco and other crops are being conducted in co-operation with the Bureau of Plant Industry of the U. S. Department of Agriculture; at Lewisburg for the past several years cattle-feeding investigations have been carried on under a joint agreement between the Bureau of Animal Industry, U. S. Department of Agriculture, and the Tuckwiller brothers of that place; upon the Reymann Memorial Experiment Farms at Wardensville, some in- and out-breeding investigations are being conducted with Ayreshire cattle in co-operation with the Dairy Division of the U. S. Department of Agriculture; and at other points in the state investigations along several lines are being conducted with private individuals with excellent results.

Bulletins and annual reports setting forth results of experiments and investigations conducted at the Station are published for gratuitious distribution, and will be mailed to any citizen of the state applying for them.

The Experiment Station is engaged solely in research and investigation, the results of which, with those of similar institutions, are used as the basis of teaching in the College of Agriculture, including the work of the Extension Division.

For further information concerning the work of the Experiment Station write the Director.

REYMANN MEMORIAL EXPERIMENT FARMS.

Through the gift of Anton Reymann and Paul O. Reymann of Wheeling, West Virginia, executors of the estate of Lawrence A. Reymann, deceased, the University came into possession on March 1, 1917, of the Lawrence A. Reymann Memorial Experiment Farms, including 930 acres of land on the Capon River in Hardy County, and a herd of 94 head of pure bred Ayreshire cattle. The farms are for the use of the Experiment Station for experimental work in all phases of agricultural science. Under co-operative agreements drawn up with the Bureau of Animal Industry, United States Department of Agriculture, the farms will be used primarily for dairy breeding investigations. Studies will be made of the comparative value of in- and out-breeding, using tested sires. As this is the best equipped establishment of its kind in the United States and probably in the world, the progress of the work will be watched with interest by live-stock men and the results should do much toward answering some very important questions. Other investigations will also be conducted upon these farms as rapidly as funds will permit.

During the past three years, a modern dairy barn has been built, with standard equipment ,and during the past year a creamery, fully equipped with modern machinery including a refrigerating plant. As no investigations are being carried on with dairy products, the milk is converted into whatever product finds the most ready market. Since the winter of 1922-23 sweet cream has been placed daily on the Washington City market. Prior to that time the milk was converted into full cream cheese.

INSTRUCTION IN AGRICULTURE.

AIM AND SCOPE.

The training given by the College of Agriculture is designed to fit its students for farm life, or for work as teachers, county agents and other field workers, or investigators of agricultural subjects. A large part of the course consists of technical work in the various branches of agriculture. The aim in these courses is to make plain the principles underlying agricultural science, and also to give as much practice work as facilities will permit, so that the student will receive a training fitting him for efficient work. The curriculum is planned to give the student a general knowledge of all phases of agriculture, but at the same time to afford him an opportunity to to specialize in the subjects in which he is particularly interested. A thorough training in the general sciences underlying scientific agriculture is given.

EQUIPMENT.

The administrative offices and many of the laboratory and class rooms of the College of Agriculture are in Oglebay Hall. This building, which is 188 feet long and four stories high, contains on the basement floor the creamery and dairy laboratories, a four-chambered cold storage plant and ice machine, the station mailing room and laboratories for horticulture, animal husbandry and agronomy. The first floor is devoted to offices and reading rooms, agronomy and horticulture laboratories, and the food and textile laboratories of the home economics department. The second floor houses the Extension Division and provides six recitation rooms and three home economics laboratories. On the upper floor are the departments of botany, plant pathology, entomology, farm economics, veterinary science and agricultural education.

The College of Agriculture now has 700 acres of land lying at a short distance from the university buildings. This land has been definitely organized into a series of five farms operated respectively by the animal hubandry, dairy husbandry, poultry husbandry, agronomy, and horticulture departments.

There are a barn and judging pavilion on the lower campus, and horse, beefcattle, and hog barns on the animal husbandry farm. The barn on the agronomy farm has been remodeled, and on the poultry farm a three-story building has been constructed for feed storage, incubation and brooding, together with several other small colony and brooding houses.

A new dairy barn of imposing type and modern construction has been built on the dairy farm. This is one of the best dairy barns in

the state, and has all modern conveniences and equipment for class use.

The greenhouse establishment has been greatly enlarged and made modern in all respects.

With Oglebay Hall, the old experiment station building, the old horticultural hall, the barns and live stock hall, and the greenhouses, hot beds and cold frames, equipment is available for a thorough and complete training in the science and art of farming. Laboratories are provided for all phases of dairy husbandry, animal husbndry, poultry husbandry, veterinary science, agronomy, horticulture, entomology, plant pathology, farm management and agricultural education, and the greenhouses, farms, and barns afford facilities for practical work in which the principles taught in the classroom and laboratory may be tested and put into practice.

DEMONSTRATION FRUIT GRADING AND PACKING PLANT.

The State Legislature of 1919 provided funds with which to construct a demonstration fruit grading and packing plant to be operated by the College of Agriculture. The plant is located at Inwood, in Berkeley County, in the heart of the territory commonly known as "Apple Pie Ridge," in which apples are grown in great variety and in large quantities, and many other fruits are produced. The plant is operated from early July until the late fall.

ENTRANCE REQUIREMENTS.

For admission to the College of Agriculture the student must have credit for fifteen units of secondary school work, i. e., the work of a standard four-year high school.

A. The following groups are required:

(1) Three or four units of English.[4]

(2) Two units of mathematics (one of algebra and one of plane geometry.

(3) Three units in a third subject.

(4) Two units in a fourth subject.

(5) Four units elective.

B. Work in the following subjects not to exceed the number of units placed after each subject will be accepted.

English	4 units	Physics	1 unit
Foreign languages[1]		Chemistry	1 unit
Latin	4 units	Biology	1 unit
Greek	3 units	Botany	1 unit
French	3 units	Geology	1 unit
German	3 units	Zoology	1 unit
Spanish	2 units	General science	1 unit
Italian	2 units	Physical geography	½ unit
Mathematics		Physiology	½ unit
Algebra	2 units	Hygiene and sanitation	½ unit
Plane geometry	1 unit	Commercial geography	½ unit
Solid geometry	½ unit	Commercial law	½ unit
Trigonometry	½ unit	Vocational subjects (not to exceed four units in all.)	
History and economics		Agriculture	3 units
History	3 units	Household arts	3 units
Civics	1 unit	Manual training	3 units
Elementary economics	1 unit	Bookkeeping or bookkeeping and commercial arithmetic combined	2 units
Sociology	½ unit	Shorthand and typewriting combined	2 units
Education	2 units	Music:—violin, organ or piano[3]	2 units
Drawing			
Free-hand drawing	1 unit		
Mechanical drawing	1 unit		
Science[2]			

1A single unit of foreign language will not be accepted unless the student takes as a part of the elective work toward his degree at least six semester hours of college work in that language.

2A group of two or three units in science may be made by combining one unit each of physics, chemistry, biology, botany, zoology, geology.

3For conditions governing credit for music see Announcements of the School of Music.

4Students presenting three units in English must take six hours of college English in addition to what is otherwise required for the degree.

DEGREES.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURE.

Credits Required.

The degree of Bachelor of Science in Agriculture may be conferred upon any student who satisfies the entrance requirements, and offers one hundred and forty-four semester hours credit for college courses, including all requirements set forth below.

The "semester hour" is the standard for computing the amount of work required for graduation. The "hour" represents the amount of work done in one semester (eighteen weeks) in one recitation hour with two preparation hours a week, or in three hours' practice or laboratory work requiring no outside preparation. No student is permitted to register for less than fifteen hours or more than twenty hours of work in any one semester without special permission.

Classification of Students.

To be classified as a conditioned freshman in the College of Agriculture a student must have credit for at least fifteen units of entrance requirements; to be classified as a regular freshman he must have fulfilled all entrance requirements. To be classified as a sophomore he must have credit for 26 hours of college work; as a junior, 64 hours; and as a senior, 100 hours.

Summer Courses.

Students may complete the prescribed course for the degree of Bachelor of Science in Agriculture by taking full work for two summer sessions (12 hours each) and three academic years, but only students of exceptional ability or mature age should undertake such a curriculum, which should be arranged with the dean in advance.

Admission With Advanced Standing.

Students from other institutions will be given credit for work already done in accordance with the general rules for advanced standing (see university catalogue), but at least one year of work in residence, not less than thirty hours of which must be in the College of Agriculture, will be required for the baccalaureate degree in agriculture.

Required and Elective Subjects.

Of the one hundred and forty-four hours required for the degree, eighty-eight are prescribed for all students, as indicated in the cur-

riculum on the following page. Students who are not required to take military science must substitute elective credits. The remaining fifty-six hours' credit must be elected from such courses as may be approved by the class officer. Of these not less than ten hours nor more than thirty hours shall be elected from other colleges. The remainder must be elected from the College of Agriculture.

Under no circumstances will a degree in agriculture be granted unless the student has completed a total of sixty credit hours in agricultural courses.

Class Officer.

The dean of the College of Agriculture will act as class officer for all students in agriculture. The head of the department in which the student elects to take his major work will be his advisor for the junior and senior years.

Special Students.

Attention is directed to the fact that persons of maturity who have had approximately two years of high school work may enter the College of Agriculture as special students under the provisions set forth in the university catalogue. These students will be admitted to all elementary classes in agriculture and will receive a thorough training in the practical phases of scientific agriculture. Special provision is made for disabled soldiers and those taking strictly vocational courses.

Under-Graduate Curriculum.

Most of the courses provided for freshmen and sophomores, and a portion of those for juniors, are definitely required as set forth in the following outline of courses. These requirements will be modified only in exceptional cases where students who enter with advanced standing or who have other irregularities in their schedule cannot follow the usual curriculum on account of conflicts. In such cases students will be permitted to offer other courses deemed satisfactory to the Committee on Students' Courses and Hours.

Courses Required of All Students in Agriculture.[1]

	Lectures	Lab. Periods	Hours Credit	
Freshman Year—First Semester.				
Agricultural botany (Botany 1)	2	2	4	
Rhetoric and composition (English 1)	3		3	
Inorganic chemistry (Chemistry 1)	3	2	4	
Farm dairying (Dairy Husb. 1)	2	1	3	
Introductory animal husb. (An. Husb. 1)	3	1	4	
Introduction to agriculture (Agric. 1)	1		1	
Military science (1)			1	20
Freshman Year—Second Semester.				
Agricultural botany (Botany 2)	2	2	4	
Rhetoric and composition (English 2)	3		3	
Inorganic chemistry (Chemistry 2)	3	2	4	
Vegetable gardening (Horticulture 30)	2	1	3	
Farm poultry (Poultry 2)	2	1	3	
Military science (2)			1	18
Sophomore Year—First Semester.				
Organic chemistry (Chemistry 31)[2]	3	1	4	
English literature (English 3)	2		2	
General bacteriology (Botany 41)	2	1	3	
Elementary pomology (Horticulture 1)	2	1	3	
Farm crops (Agronomy 1)	3	1	4	
Military science (3)			1	17[4]
Sophomore Year—Second Semester.				
Agricultural zoology (Zoology 4)[3]	3	2	5	
English literature (English 4)	2		2	
Rural economics (Farm Econ. 2)	4		4	
General entomology (Entomology 2)	3	1	4	
Military science (4)			1	16[4]
Junior Year—First Semester.				
Physics (1)	3		3	
Physics (3)		1	1	
Geology (2)	3		3	
Geology (21)		1	1	8
Junior Year—Second Semester.				
Physics (2)	3		3	
Physics (4)		1	1	
Properties of soils (Soils 1)	2	1	3	7

[1] In addition to the courses listed above two hours credit in Farm Practice (Agriculture 5) must be earned before senior year, preferably in the summer between sophomore and junior years.

[2] Chemistry 33 may be substituted.

[3] Zoology 1 and 2 may be substituted.

[4] Mathematics 18 and Chemistry are suggested as electives to fill out the sophomore schedule.

Choice of Electives

Upon registering at the beginning of the junior year, each student who wishes to do special work in any department will be referred by the dean to the head of that department as his advisor. The question as to whether a given student shall concentrate in a certain department or shall pursue a broader course in general agriculture is a matter to which that student should give very careful consideration. The decision should be based upon the student's plans after graduation and he should endeavor to shape his college course so as to secure the most efficient preparation possible for the vocation he expects to follow.

Many graduates of the College of Agriculture engage in secondary school teaching. The undergraduate curriculum in such cases should include a broad training in all branches of agriculture together with special courses in education as outlined below. Those aspiring to positions as county agents or extension workers should also secure a broad rather than a narrow training together with certain special courses designed to give preparation for that field of work. Students wishing to engage in some special line of agricultural work should concentrate in that field but those looking forward to a life on a typical West Virginia general farm will find a general agricultural curriculum most helpful. Those who have decided on a life of research or of university teaching, should build a broad agricultural foundation including considerable knowledge of the fundamental sciences and a reading knowledge of French and German, before specialization is attempted in any particular field.

All students should include among their electives certain liberalizing courses which will train them for citizenship and help to qualify them for leadership in their respective communities. A suggestive list from which such courses may be chosen is given below.

STATE TEACHERS' CERTIFICATES

Certification to teach in West Virginia schools is offered by the state department of schools to those graduates who meet the requirements set up by the state board of education. Graduates desiring to teach both vocational agriculture and related academic courses will be obliged to obtain either a provisional or a regular high school teacher's certificate as well as the approval of the state supervisor of vocational agriculture. Applicants for regular high school teachers' certificates must offer credit for twenty hours of "education" courses. Endorsement by the Department of Education in the College of Arts and Sciences is further limited as shown on page 49 of the University catalogue. Applicants for provisional certificates, subject to conditional annual renewal, must offer credit for at least six hours of ed-

ucation courses. Applicants for permanent approval to teach vocational agriculture granted by the State Supervisor must offer credit for twelve specified hours in education courses as explained below. Applicants for special certificates to teach agriculture only or vocational agriculture conditionally must offer credit for at least ten hours of education courses.

The following courses in education are suggested for attainment of qualification for each of the above certificates.

1. For the regular high school teacher's certificate with vocational agriculture teaching as chief objectice (20 hours credit),—Education 25; 34 or 19; 63 or 64; 32 or 30 or 13; Agricultural Education 2, 8, 11, 13 and 31.

2. For approval to teach vocational agriculture (12 hours credit),—Education 25, 34 or 19; Agricultural Education 2, 8, 11 and 13.

3. For the special teacher's certificate (10 hours credit),—Education 25, 34 or 19; Agricultural Education 8 and 11.

4. For the provisional teacher's certificate (6 hours credit),—Education 25; Agricultural Education 11.

SUGGESTIVE LIST OF ELECTIVES OF CULTURAL OR GENERAL VALUE

Subject.	Hours.
Principles of Economics (1 and 2)	3 each
Money, Credit and Banking (Econ. 11)	3
Public Finance (Econ. 12)	4
Transportation (Econ. 41)	3
Economic Development of the United States (Econ. 6)	3
Natural Resources of the United States (Econ. 13)	2
Commercial Geography (Econ. 5)	3
Marketing Methods (Econ. 21)	3
Business Law (Econ. 41 and 42)	3 each
Elements of Sociology (Soc. 1)	3
Rural Sociology (Soc. 4)	3
Expository Writing (Eng. 13 and 14)	2 each
Description and Narration (Eng. 11 and 12)	3 each
Composition and Rhetoric (Eng. 8)	2
American Literature (Eng. 65)	3
Elementary French (1 and 2)	5 each
Historical Geology (3)	3
Geology of West Virginia (8)	2
Elementary German (1 and 2)	5 each
English Social and Industrial History (29)	3
American Social and Economic History (49)	3
History of West Virginia (50)	1
Introduction of American Federal Government (Pol. S. 5)	3
Mathematics for Agriculture and General Science (18)	3
Introduction to Psychology (1)	3
Logic (Philosophy 6)	3
Ethics (Philosophy 11)	3
Photography (Physics 16)	2
Public Speaking (1)	2
Effective Speaking (Pub. Sp. 11)	3
Elementary Spanish (1 and 2)	5 each
Principles of Biology (Zool. 10)	3
Economic Zoology (Zool. 16)	2
Limnology (Zool. 25)	2
Woodworking (Eng'g. 3)	2 to 3
Forging (Eng'g. 7)	1
Shop Work (Eng'g. 9)	2
Mechanical Drawing (Eng'g. 23)	2

REQUIREMENTS FOR CANDIDATES FOR B.S.AGR. DEGREE WHO ALREADY HOLD THE DEGREE A.B. OR B.S.

Students who have received the degree of Bachelor of Arts or Bachelor of Science from West Virginia University or any institution of similar standing, may receive a degree of Bachelor of Science in Agriculture upon the following conditions:

(1) The completion of Physics 1, 2, 3, 4, Chemistry 1, 2, 31, Botany 1, 2, 41, Zoology 4, and Geology 2, 21, or equivalent courses.

(2) The completion of the thirty-one hours of required courses in the College of Agriculture curriculum.

(3) The completion of at least twenty-nine hours of elective courses in the College of Agriculture.

AGRICULTURAL COURSES WHICH MAY BE ELECTED BY STUDENTS IN THE COLLEGE OF ARTS AND SCIENCES

Fifteen hours from the following courses may be credited toward the A. B. degree in the College of Arts and Sciences. (See University catalogue.)

Subject.	Hours.
Agricultural Education 2 (Problems of Rural Education)	2
Agricultural Education 15 (Methods of Visual Instruction)	2
Agricultural Education 31 (Rural Organization)	3
Agronomy 1 (Farm Crops)	4
Agronomy 16 (Breeding of Field Crops)	3
Animal Husbandry 1 (Introductory Animal Husbandry)	4
Animal Husbandry 11 (Animal Nutrition)	2
Animal Husbandry 12 (Feeding Farm Animals)	3
Animal Husbandry 22 (Breeding Farm Animals)	2
Dairy Husbandry 1 (Farm Dairying)	3
Entomology 30 and 31 (Apiculture)	2 and 1
Farm Economics 3 (Farm Management)	3
Horticulture 1 (Elementary Pomology)	3
Horticulture 30 (Elementary Vegetable Gardening)	3
Horticulture 53 (Crop Breeding)	3
Poultry 2 (Farm Poultry)	3
Soils 1 (Properties of Soils)	3

The following courses are regular electives both in the College of Agriculture and in the College of Arts and Sciences:

Subject.	Hours.
Agricultural Education 20 (Methods of Agricultural Extension)	2
Agricultural Journalism 1 (Agricultural Journalism)	2
Dairy Husbandry 36 (Dairy Chemistry)	2
Entomology (All courses except Apiculture)	
Genetics (All courses)	
Plant Pathology (All courses)	

Students who desire the advantage of the broader training secured by first taking a degree in the College of Arts and Sciences, and who then expect to take the degree of Bachelor of Science in Agriculture, may so arrange their curriculum as to enable them to take a sufficient number of the elective courses mentioned above to secure the degree in agriculture in one year, or in one year and a summer school session, after receiving the first degree.

COURSES OF INSTRUCTION

Only the technical courses offered primarily for the students in agriculture are described here. For detailed description of the other courses listed as required or elective in the agricultural curriculum, see the announcement of courses in the College of Arts and Sciences or in other colleges.

Admission to any advanced elective course is conditional upon the consent of the instructor.

Courses marked by an asterisk (*) may be offered for credit in the College of Arts and Sciences. Courses marked by a double-asterisk (**) are regular electives in the College of Arts and Sciences. Courses bearing numbers from 1 to 100 are for under-graduates; those bearing numbers from 101 to 199 are for graduates, those with both numbers are open to both graduates and undergraduates.

Course descriptions in a college catalogue rarely convey more definite information as to the content of the course than might be inferred from the title. For this reason all such descriptive matter has been omitted from these announcements of courses. Detailed information as to the extent and subject matter of any course will, however, be furnished on request to the dean of the college.

Following the announcement of courses offered by each department of instruction is given a list of electives recommended to students who are specializing in that department.

AGRICULTURE

Dean Lyman

1. Introduction to Agriculture. (1 Hr.) Required of all freshmen. Other students not admitted for credit.

First semester; T., 9:00.

5. Farm Practice. (2 Hrs.) A minimum of twelve weeks' work in summer on an approved farm or agricultural enterprise is required of all candidates for the degree of B.S.Agr. This work must be done between the freshman and senior years, and preferably between sophomore and junior years, under direction of the dean and the committee on farm operations.

AGRICULTURAL EDUCATION.[1]

Associate Professor ALLEN, Assistant Professor OLNEY and Messrs. PARSONS and HARTLEY.

The courses in this department are provided for under the Federal Vocational Education Act. They are open only to a limited number of students besides those who are following the prescribed courses to become teachers of vocational agriculture. Therefore students should arrange with the department before registering.

Courses No. 13, 22, 31, 61 and 62 may be done in extension.

2.* **Problems of Rural Education.** (2 Hrs.) Primarily for sophomores who are deciding upon their major interest among the agricultural occupations. An introduction to the problems of rural life betterment through education. (40).

Second semester; T., Th., 11:00; Associate Professor ALLEN.

8. **(108) Principles of Vocational Teaching.** (3 Hrs.) The development of principles underlying instruction in agricultural occupations. Should precede or accompany course 11. Primarily for juniors.

Second semester; M., W., F., 9:00; Associate Professor ALLEN.

11. **(111) Special Methods in Teaching Vocational Agriculture.** (3 Hrs.) Required of students preparing to teach vocational agriculture in secondary schools. (36.)

First semester for seniors; T., Th., 8:00; third hour to be arranged; Assistant Professor OLNEY.

Second semester for juniors; T., Th., 9:00; third hour to be arranged; Assistant Professor OLNEY.

13. **(113) Directed Teaching.** (2 to 5 Hrs.) Required of all prospective teachers of vocational agriculture in order to qualify for certificate on graduation. Prerequisite; Agricultural Education 11. (37)

Either semester; T., Th., 10:00; Assistant Professor OLNEY.

15* **(115). Methods and Materials of Visual Instruction.** (2 Hrs.) Practice in the preparation and use of illustrative materials and devices used in teaching vocational agriculture. (Offered in alternate years, beginning 1926-27.)

First semester; T., Th., 9:00; Mr. PARSONS.

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[1]Electives recommended for students whose major is agricultural education:

Agricultural Journalism 1	Farm Mechanics 51, 52
Agronomy 10	Horticulture 12
Animal Husbandry 60, 62, 64	Plant Pathology 3
Dairy Husbandry 12	Poultry 6
Entomology 4	Soils 2
Farm Economics 3	Veterinary Science 1, 2

Students who contemplate teaching should elect a diversity of technical agricultural courses, thus fitting themselves for a wider range of openings in the field of secondary teaching.

20. Methods of Agricultural Extension.** (2 Hrs.) A study of the job of the county agent and the agricultural extension program of West Virginia. (35).

Second semester; T., Th., 11:00; Mr. HARTLEY.

31* (131) Rural Organization. (3 Hrs.) A study of the social and economic factors affecting rural life. Directed observation and participation in rural social programs. For seniors. (50).

First semester; M., W., F., 11:00; Associate Professor ALLEN.

61, 62. Special Problems. (1 to 3 Hrs. per semester.) Open to seniors. (34).

First and second semesters; hours to be arranged; staff.

181, 182, 183, 184. Research. (1 to 5 Hrs. per semester.) Prerequisites: Courses 8, 31, and 11 or 20. (34).

First and second semesters; hours to be arranged; staff.

AGRICULTURAL JOURNALISM.

Mr. STOCKDALE.

1. Agricultural Journalism.** (2 Hrs.) Instruction and practice in preparing articles on agricultural subjects. Prerequisite; English 1 and 2 or consent of instructor. (12).

First semester; M., F., 10:00.

5, 6. Agricultural Journalism. (1 Hr. per semester.) A practice course for juniors and seniors in connection with the publication of the West Virginia Agriculturist. Prerequisite: Agrcultural Journalism 1 or consent of instructor. (13).

First and second semesters; hours to be arranged.

AGRONOMY.[1]

Professor GARBER, Associate Professor ODLAND and Mr. QUISENBERRY.

1.* **Farm Crops.** (4 Hrs.) A general introductory course with emphasis on the practical aspects of production. Required of sophomores. (2).

First Semester; M., W., F., 9:00 and one laboratory period; T., or W., 2:00-5:00; Mr. QUISENBERRY.

5. **Weeds and Seed Testing.** (2 Hrs.) (9).

First semester; two laboratory periods, M., F., 2:00-5:00; Associate Professor ODLAND and Mr. QUISENBERRY.

10. **Forage Crops.** (3 Hrs.) Prerequisite: Agronomy 1.

Second semester; M., F., 10:00; and one laboratory period, W., 2:00-5:00; Associate Professor ODLAND and Mr. QUISENBERRY.

13. **Corn and Grain Judging.** (2 Hrs.) Prerequisite: Agronomy 1. (3)

First semester; hours to be arranged; Associate Professor ODLAND.

16.* (116) **Breeding of Field Crops.** (3 Hrs.) Prerequisites: Agronomy 1 and Genetics 21. (15).

Second semester; T., Th., 9:00; and Th., 2:00-5:00; Professor GARBER.

17, 18, 19, 20, (117, 118, 119, 120) **Special Topics.** (1 to 3 Hrs. per semester.) Assigned literature and problems, with discussions. A student may elect elementary biometry, experimental field technic, a phase of crop production or a phase of crop breeding. Prerequisite: Consent of instructor. (14).

First and second semesters; hours to be arranged; Professor GARBER and Associate Professor ODLAND.

181, 182, 183, 184. **Research in Farm Crops.** (1 to 5 Hrs. per semester.) (12).

First and second semesters; hours to be arranged; Professor GARBER and Associate Professor ODLAND.

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[1]Students specializing in Agronomy should elect a broad range of subjects in agriculture, including courses in both plant industry and animal husbandry. The courses mentioned below are closely related to Agronomy.

Botany 5, 21, 31
Farm Mechanics 51
Genetics 21
Plant Pathology 3
Soils 2

ANIMAL HUSBANDRY.[1]

Professor LIVESAY, Assistant Professors WILSON and STILLWELL, Mr. WHEELER and Mr. SHAW.

1.* **Introductory Animal Husbandry.** (4 Hrs.) Required of freshmen. Study of breeds, types and market classes of farm animals and their care and feeding. This course is prerequisite to all other courses in the department. (40).

First semester; M., W., F., 9:00; and Th., 2:00-5:00; Assistant Professors WILSON and STILLWELL, and Mr. WHEELER.

11.* (111) **Animal Nutrition.** (2 Hrs.) Composition of feeds and the metabolism of food nutrients. Open to juniors and seniors. Prerequisite: Chemistry 31. (45).

First semester; M., 2:00-6:00; Professor LIVESAY.

12.* **Feeding Farm Animals.** (3 Hrs.) Prerequisite: Animal Husbandry 11. (42).

Second semester; M., W., F., 11:00; Assistant Professor WILSON and Mr. WHEELER.

22.* (122) **Breeding Farm Animals.** (3 Hrs.) Prerequisite: Genetics 21. Open to juniors and seniors. (43).

Second semester; M., F., 10:00; third hour to be arranged; Professor LIVESAY.

31, 32, 33, 34. **Special Problems.** (1 to 3 Hrs. per semester.) Open to juniors and seniors majoring in Animal Husbandry. (46).

First and second semesters; staff.

35, 36. **Animal Husbandry Seminar.** (1 Hr. per semester). Required of seniors majoring in Animal Husbandry. (50).

First and second semesters; M., 5:00-6:00; staff.

37. **Summer Practice.** (1 Hr.) To be arranged in consultation with the head of the department. (52).

41. **Livestock Judging.** (2 Hrs.) Judging breeding and fat classes of livestock. (41).

First semester; two laboratory periods, W., 2:00-5:00; S., 8:00-12:00; staff.

43. (143) **Advanced Stock Judging.** (2 Hrs.) Students taking this course will be required to participate in a tour of inspection of

[1]Electives recommended: Agronomy 10 and 13; Chemistry 10; Dairy husbandry 11, 12 and 38; Farm economics 7 and 31: Farm mechanics 51, 52 and 55; Genetics 21; Poultry husbandry 5, 14, 15 and 21; Veterinary science 1, 2, 4 and 6; Zoology 7, 10 and 16.

representative flocks, herds and studs. Prerequisite: Animal Husbandry 41.

First semester; two laboratory periods, W., 2:00-5:00; S., 8:00-12:00; staff.

47. Herd and Flock Book Study. (3 Hrs.) (47).

First semester; M., F., 5:00; one laboratory period, T., Th.; 8:00-10:00; Assistant Professor WILSON.

60. Beef Production. (3 Hrs.) For juniors and seniors.

Second semester; T., Th., 11:00; and one laboratory period, T., 2:00-5:00; Assistant Professor WILSON.

61. Horse and Mule Production. (3 Hrs.) For juniors and seniors.

First semester; M., F., hours to be arranged; Assistant Professor WILSON.

62. Mutton and Wool Production. (3 Hrs.) For juniors and seniors.

Second semester; T., Th., 10:00; and one laboratory period, Th., 2:00-5:00; Assistant Professor WILSON and Mr. SHAW.

64. Pork Production. (3 Hrs.) For juniors and seniors. (63).

Second semester; T., Th., 8:00, and one laboratory period, F., 2:00-5:00; Assistant Professor STILLWELL.

66. Meats. (1 Hr.) Prerequisite; Animal Husbandry 41. (65).

Second semester; S., 9:00-12:00; Assistant Professor STILLWELL.

67. Meats. (2 Hrs.) Farm butchering, curing and care of meats. Visit to one of the large packing houses of Pittsburgh required of all students taking this course. Prerequisite: Animal Husbandry 66. (64).

First semester; F., 2:00-6:00; Assistant Professor STILLWELL.

181, 182, 183, 184. Research. (1 to 5 Hrs. per semester). (49).

First and second semesters; hours to be arranged; staff.

DAIRY HUSBANDRY[1]

Professor ANTHONY, Associate Professor HENDERSON, Mr. GIFFORD and Mr. TROUT.

1.* **Farm Dairying.** (3 Hrs.) Required of Freshmen. This course is prerequisite to all other courses in the department. (21).

First semester; M., F., 10:00; on laboratory period, T., 2:00-5:00, or S., 9:00-12:00; Professor ANTHONY, Mr. GIFFORD and Mr. TROUT.

5. **Dairy By-Products.** (3 Hrs.) A study of ice cream manufacture; fermented milks, milk sugar, condensed milk. (25).

First semester; M., F., 9:00; one laboratory period, T., 2:00-5:00; Mr. TROUT.

6. **Butter and Cheese Manufacture.** (3 Hrs.) (26).

Second semester; M., F., 11:00; one laboratory period, S., 9:00-12:00; Mr. TROUT.

7. **Market Milk.** (3 Hrs.) Prerequisite: Botany 10. (27).

First semester; T., Th., 9:00; one laboratory period, F., 2:00-5:00; Associate Professor HENDERSON.

11. **Purebred Dairy Cattle.** (3 Hrs.) (24).

First semester; M. F., 11:00; one laboratory period, M., 2:00-5:00; Professor ANTHONY.

12. **(112) Milk Production.** (4 Hrs.) For juniors and seniors. (23).

Second semester; M. W. F., 9:00; one laboratory period, M., 2:00-5:00; Professor ANTHONY.

31, 32, 33, 34. **Special Problems.** (1 to 2 Hrs. per semester.) For juniors and seniors. (34).

First and second semesters; hours to be arranged; Professor ANTHONY.

35. **Summer Practice.** (1 Hr.) Course to be arranged in consultation with the head of the department.

Professor ANTHONY.

36.** **(136) Dairy Chemistry.** (2 Hrs.) For seniors. Prerequisites: Dairy Husbandry 5 and 6.

Second semester; hours to be arranged.

38. **(138) Advanced Dairy Judging.** (2 Hrs.) For seniors. Prerequisite: Dairy Husbandry 11. (37).

Second semester; two laboratory periods, T., Th., 4:00-6:00; Associate Professor HENDERSON, Mr. GIFFORD and Mr. TROUT.

181, 182, 183, 184. **Graduate Research.** (1 to 5 Hrs. per semester.) Special assigned dairy problems. (38).

First and second semesters; hours to be arranged; Professor ANTHONY.

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[1]The following electives are recommended for students whose major is Dairy husbandry: Agronomy 10; Animal husbandry 11 and 22; Farm economics 3 and 31; Genetics 21; Veterinary science 1, 2, 4 and 6; Zoology 7.

ENTOMOLOGY.[1]

Professor PEAIRS and Mr. CRAIG.

2.** **General Entomology.** (4 Hrs.) Prerequisite to courses 3, 4 5, 6, 7, 8, 9 and 10. (1).

Second semester; M., W., F., 11:00; one laboratory period, Th., or F., 2:00.

3.** (103**) **Advanced General Entomology.** (3 Hrs.)

First semester; T., Th., 10:00-12:00.

4.** **Economic Entomology.** (2 Hrs.) (9).

Second semester; M., F., 10:00.

5,** 6,** 7,** 8,** (105,** 106,** 107,** 108**). **Systematic Entomology.** (1 to 3 Hrs. per semester.) First and second semesters; hours to be arranged. (4).

9,** 10,** **Research.** (1 to 3 hours per semester.) (5).

First and second semesters; hours to be arranged.

30.* **Apiculture.** (2 Hrs.) Spring and summer practice in beekeeping.

Second semester; T., 2:00-6:00.

31.* **Apiculture.** (1 Hr.) Fall and winter practice in beekeeping.

First semester; S., 9:00.

170.** **Insect Biology.** (3 Hrs.) (11).

Second semester; hours to be arranged.

181,** 182,** 183,** 184.** **Research.** (1 to 3 Hrs. per semester.)

First and second semesters; hours to be arranged.

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[1]The following electives are recommend for students whose major is entomology: Agronomy 5 and 10; Botany 5, 21 and 31; Horticulture 6, 9 and 18; Plant pathology 3; Poultry 9; Veterinary science 6; Zoology 7 or 31, 18, 10, 40, 16 and 25.

FARM ECONOMICS[1]

Professor DADISMAN, Dr. EKE, Mr. CORNELL and Mr. ARMENTROUT.

General Courses.

2. Rural Economics.** (4 Hrs.) Required of sophomores.

Second semester; M., T., Th., F., 10:00; Professor DADISMAN.

3.* Farm Management. (3 Hrs.) Open to juniors and seniors. Prerequisite: Farm Economics 2. (1).

First semester; M., W., F., 9:00; Dr. EKE.

5. Farm Management Laboratory. (1 Hr.) A laboratory course to accompany Farm Management 3. (12).

First semester; T., 2:00-5:00; Dr. EKE.

6. Development of Agriculture. (3 Hrs.) (4).

Second semester; M., W., F., 11:00; Professor DADISMAN.

7. Farm Records and Accounts. (2 Hrs.) (8).

First semester; M., 2:00 to 6:00; Dr. EKE.

13, 14. Special Problems. (1 to 3 Hrs. per semester.) Open to seniors. (6).

Both semesters; hours to be arranged; staff.

16. (116) Agricultural Land Problems. (2 Hrs.) Open to seniors. A study of land systems and policies of the leading agricultural countries. (9).

Second semester; T., Th., 9:00; Professor DADISMAN and Dr. EKE.

31. Marketing Agricultural Products. (2 Hrs.) One day will be spent in Pittsburgh studying livestock, fruit and vegetable markets. (7).

First semester; T., Th., 11:00; Mr. ARMENTROUT.

33. Co-operative Marketing of Agricultural Products. (2 Hrs.)

First semester; hours to be arranged; Mr. ARMENTROUT.

181, 182, 183, 184. Research in Farm Economics. (1 to 3 Hrs. per semester.) (13).

First and second semesters; hours to be arranged; staff.

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[1]The following electives are recommended for students whose major is in farm economics: Economics 1, 2, 11, 12, 41, 5, 21 and 22; History 49; Poultry 10; Sociology 4.

Farm Mechanics.

51. Farm Mechanics. (4 Hrs.) (25).
First semester; T., Th., 9:00; and F., 2:00-6:00; Mr. CORNELL.

52. Farm Shop Work. (2 Hrs.) (30).
Second semester; M., 2:00-6:00; Mr. CORNELL.

55. Farm Structures. (2 Hrs.) (26).
First semester; Th., 2:00-6:00; Mr. CORNELL.

56. Farm Machinery. (3 Hrs.) (24).
Second semester; T., Th., 8:00; and S., 9:00-12:00; Mr. CORNELL.

57. Farm Sanitation. (2 Hrs.)
First semester; T., Th., 8:00; Mr. CORNELL.

60. Farm Power. (2 Hrs.) Open to juniors and seniors. Prerequisite; Farm Mechanics 51. (28)
Second semester; Th., 2:00-6:00; Mr. CORNELL.

The following electives are recommended in farm mechanics: Engineering 2, 7, 10, 20 and 100.

GENETICS

Professor PEAIRS.

21. (121) Genetics.** (3 Hrs.) A study of the principles of heredity.
First semester; M., F., 10:00; T., Th., or M., F., 4:30.

22. (122). Genetics.** (1 Hr.) Laboratory work to follow course 21. Prerequisite: course 21.
Second semester; hours to be arranged.

HORTICULTURE.[1]

Professor DORSEY, Associate Professors KNOWLTON and CRANE, Assistant Professor WESTOVER, Mr. ANGELO, Mr. CURRENCE and Mr. STARK.

Pomology.

1* **Elementary Pomology.** (3 Hrs.) Required of sophomores. An introduction to the study of fruit growing. (2).

First semester; T., Th., 8:00, and one laboratory period M., 2:00-5:00; Mr. ANGELO.

6. **Small Fruits.** (3 Hrs.) Open to juniors and seniors. Prerequisite: Horticulture 1. (5).

Second semester; T., Th., 8:00, and one laboratory period Th., 2:00-5:00; Mr. ANGELO.

9. **(109) Systematic Pomology.** (3 Hrs.) Open to juniors and seniors. Prerequisite: Horticulture 1. (4).

First semester; T., Th., 9:00; S., 9:00-12:00. Associate Professor KNOWLTON.

12. **(112) Commercial Fruit Production.** (4 Hrs.) Open to juniors and seniors. Prerequisite: Horticulture 9. (7).

Second semester; M., W., F., 9:00, and one laboratory period F., 2:00-5:00; Associate Professor CRANE.

13. **Packing, Marketing and Storage.** (4 Hrs.) Open to juniors and seniors. Prerequisite: Horticulture 9 and 12. (21).

First semester; M. W., F., 9:00, and one laboratory period W., 2:00-5:00; Associate Professor CRANE.

15. **Fruit Judging.** (1 Hr.) Prerequisite: Horticulture 9. (16).

First semester; one laboratory period F., 2:00-5:00; Associate Professor KNOWLTON.

17. **Advanced Fruit Judging.** (1 Hr.) A continuation of Horticulture 15. (18).

First semester; one laboratory period F., 2:00-5:00; Associate Professor KNOWLTON.

18. **(118) Sprays and Spraying.** (2 Hrs.) Open to seniors. Prerequisite: Consultation. (28).

Second semester; Sat., 8:00-12:00; Associate Professor CRANE.

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[1]The following electives are recommended for students whose major is horticulture: Agronomy 16; Botany 12, 32 and 36; Farm economics 33; Geology 8; Economics 40 and 41; Chemistry 21; Public speaking 3 and 12.

19. (119). **Horticultural Field Trip.** (1 to 2 Hrs.) Open to seniors. A trip of one or two weeks (the first week to be before college opens) will be made through the fruit regions of Eastern West Virginia, Virginia, Maryland and Pennsylvania. Registration should be made in the spring before college closes. Prerequisite: Horticulture 9 and 12. (9).

First semester; Professor DORSEY and Associate Professor CRANE.

Vegetable Gardening.

30.* **Elementary Vegetable Gardening.** (3 Hrs.) Required of freshmen. (3).

Second semester; T., Th., 9:00, and one laboratory period W., 2:00-5:00; Mr. CURRENCE.

32. **Commercial Vegetable Gardening.** (3 Hrs.) Prerequisite: Horticulture 30. (8).

Second semester; Th., 10:00-12:00, and T., 2:00-5:00; Assistant Professor WESTOVER.

33. **Systematic Olericulture.** (3 Hrs.) A study of the classification of vegetables. Prerequisite: Horticulture 30. (22).

First semester; M., F., 10:00; one laboratory period W., 2:00-5:00; Assistant Professor WESTOVER.

35. **Vegetable Forcing.** (3 Hrs.) Prerequisite: Horticulture 30 (27).

First semester; T., Th., 11:00; one laboratory period M., 2:00-5:00; Mr. CURRENCE.

General Courses.

49, 50. **Special Problems.** (1 to 2 Hrs. per semester.) Arrangements must be made for problems before the close of the junior year. (10).

First and second semesters; hours to be arranged; staff.

51, 52, 53, 54. (151, 152, 153, 154). **Horticultural Seminar.** (1 Hr. per semester.) For juniors and seniors. (11).

First and second semesters; hours to be arranged; Professor DORSEY.

55, 56. (155, 156). **Advanced Horticulture.** (3 Hrs. per semester.) Open to seniors. Prerequisites: Horticulture 9 and 12, and Botany 12. (13).

First and second semesters; M., W., F., 11:00; Professor DORSEY and Associate Professor KNOWLTON.

Summer Practice. (1 Hr.) Work to be arranged in advance by consultation with department staff. (17).

Staff.

58.* **(158) Horticultural Crop Breeding.** (3 Hrs.) Open to seniors. Prerequisite: Genetics 21. (19).

Second semester; M., W., F., 9:00; Professor DORSEY.

181, 182, 183, 184, Graduate Research. (5 Hrs. per semester.) (29).

First and second semesters; hours to be arranged; Professor DORSEY, Associate Professors KNOWLTON and CRANE and Assistant Professor WESTOVER.

PLANT PATHOLOGY.[1]

Professor GIDDINGS and Assistant Professor LEONIAN.

3.** **Economic Plant Pathology.** (3 Hrs.) (4).

First semester; one lecture and two laboratory periods, T., Th., 2:00-5:00; Professor GIDDINGS.

9,** 10.** **(109,** 110**) Experimental Plant Pathology.** (2 to 5 Hrs. per semester.) Prerequisite: Plant pathology 3 or its equivilent. (1).

First and second semesters; hours to be arranged; Professor GIDDINGS and Assistant Professor LEONIAN.

15,** 16.** **Special Problems.** (1 to 3 Hrs. per semester.)

First and second semesters; hours to be arranged; Professor GIDDINGS and Assistant Professor LEONIAN.

181,** 182,** 183,** 184.** **Research.** (2 to 5 Hrs. per semester.) Prerequisites: Plant pathology 3 and 9 or their equivalent. (2).

First and second semesters; hours to be arranged; Professor GIDDINGS and Assistant Professor LEONIAN.

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[1]The following electives are recommended for students whose major is Plant pathology; Agronomy 5; Botany 5, 21, 11, 31 and 14; Chemistry 60 and 62; Entomology 4 and 5; Genetics 21; Horticulture 9, 12 and 32; Zoology 10.

POULTRY HUSBANDRY[1]

Associate Professor ANDREWS and Mr. WIGHTMAN.

2.* **Farm Poultry.** (3 Hrs.) Required of freshmen. Prerequisite for all other courses. (1).

Second semester; M., F., 10:00; laboratory periods, M., 2:00-5:00, or S., 9:00-12:00; Associate Professor ANDREWS and Mr. WIGHTMAN.

5. **Housing and Feeding.** (2 Hrs.)

First semester; Th., 2:00-6:00; Associate Professor ANDREWS.

6. **Incubation and Brooding.** (2 Hrs.) Lectures and practice.

Second semester; M., 2:00-6:00; Associate Professor ANDREWS and Mr. WIGHTMAN.

9. **Poultry Diseases and Parasites.** (1 Hr.) Lectures and demonstrations.

First semester; W., 2:00-5:00; Associate Professor ANDREWS.

10. **Marketing.** (2 Hrs.) Lectures and practice. (8).

Second semester; S., 8:00-12:00.

14. **Breeds and Breeding.** (3 Hrs.) (7).

Second semester; M., F., 9:00; one laboratory period, F., 2:00-5:00; Associate Professor ANDREWS and Mr. WIGHTMAN.

15, 16, 17, 18. **Special Problems.** (1 to 3 Hrs. per semester.) Practice in incubation, brooding, flock management, etc.

Both semesters; hours to be arranged; Associate Professor ANDREWS and staff.

21. (121) **Advanced Poultry Judging.** (2 Hrs.) Prerequisite: Poultry 14. (12).

First semester; F., 2:00-6:00; Associate Professor ANDREWS and Mr. WIGHTMAN.

181, 182, 183, 184. **Research.** (1 to 3 Hrs. per semester.) (10).

Both semesters; hours to be arranged; Associate Professor ANDREWS.

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[1]The following electives are recommended for students whose major is Poultry husbandry: Agricultural education 31; Animal husbandry 11, 12 and 22; Farm economics 3, 7 and 31; Farm mechanics 52 and 55; Genetics 21; Zoology 7 and 10; Veterinary science 1, 2, 4 and 6.

SOILS

Associate Professor DEATRICK.

1.* **The Properties of Soils.** (3 Hrs.) Required of juniors. To be preceded or accompanied by Physics and Geology.
First semester; T., Th., 8:00, and one laboratory period, T. or F., 2:00-5:00.

2. **Principles of Soil Management.** (2 Hrs.) Prerequisite: Soils 1.
Second semester; T., Th., 11:00.

3, 4. **Special Problems.** (1 to 3 Hrs. per semester.) Work assigned is suited to the needs of the individual student.
Both semesters and summer; hours to be arranged.

5. **Soil Biology.** (3 Hrs.) Prerequisites: Soils 1, and Botany 10.
First semester; hours to be arranged.

7, (107). **Soil Chemistry.** (3 Hrs.) Prerequisites: Soils 1 and qualitative and organic chemistry. Open to seniors. (6).
Either semester; three laboratory periods to be arranged.

181, 182, 183, 184. **Research.** (1 to 5 Hrs. per semester.) (4).
Both semesters and summer; hours to be arranged.

The following electives are recommended to students whose major is soils: Botany 5, 21, and 31; Chemistry 5, 6, 33 and 60; Farm mechanics 51; Geology 62; Plant Pathology 3.

VETERINARY SCIENCE

Mr. ————

1. **Anatomy and Physiology.** (3 Hrs.)
First semester; M., F., 10:00, and one laboratory period Th., 2:00-5:00.

2. **Veterinary Medicine and Surgery.** (3 Hrs.)
Second semester; T., Th., 8:00, and one laboratory period, Th., 10:00-12:00.

4. **Infectious Diseases.** (2 Hrs.) Prerequisites: Botany 41, and Veterinary science 1. (3).
Second semester; T., 2:00-6:00.

6. **Parasites of Farm Animals.** (2 Hrs.) Prerequisites: Entomology 2 and Veterinary science 1. (5).
Second semester; W., 2:00-6:00.

INSTRUCTION IN HOME ECONOMICS.

ORGANIZATION.

For purposes of administration the department is organized under the College of Agriculture, as follows:

1. In the College of Agriculture a curriculum is outlined whereby students may select as their major either general home economics or vocational home economics in preparation for the degree of Bachelor of Science in Home Economics.

2. In the College of Arts and Sciences students working for the degree of Bachelor of Arts may take home economics as a major and must meet the requirements for the degree as prescribed by that college (page 104 of University catalogue). The head of the department of home economics acts as class officer for such students.

3. Extension work in home economics is given under the direction of the Division of Agricultural Extension.

AIM AND SCOPE.

The course leading to the degree of Bachelor of Science in Home Economics is planned for women students and especially for those who wish to teach home economics in vocational schools and other institutions or who wish to learn the business of home keeping. The aim of the course is to give women such training as will best prepare them to assume their responsibilities as members of a household and a community. This training includes: first, a knowledge of those sciences which are fundamental to an understanding of the principles of home economics; second, technical courses in food and nutrition, the applied arts, clothing and textiles, health and child care, home management and teacher training; third, a general knowledge of the laws of production and consumption and social relationships obtained from courses in history and sociology; fourth, an appreciation and intelligent use of English which is developed through courses in oral and written English and in study of English literature.

To provide for this training a curriculum is suggested. Sufficient electives are allowed to permit the student to qualify for vocational home economics, or to take special courses in agriculture, or to select other courses in which she is interested.

EQUIPMENT.

The department occupies two floors of the wing of Oglebay Hall. On the first floor are two large well equipped food laboratories, a suite of rooms consisting of dining room, kitchen and reception room,

a textile laboratory, a reading room, and the offices of the department. On the second floor there are three laboratories equipped for work in clothing and applied art. There is also on this floor a large recitation room.

ENTRANCE REQUIREMENTS.

For admission to the course leading to the degree of Bachelor of Science in Home Economics, the requirements are the same as for admission to the course in agriculture.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN HOME ECONOMICS.

Credits Required.

The degree of Bachelor of Science in Home Economics will be conferred upon any student who satisfies the entrance requirements and offers one hundred and twenty-eight hours credit for college courses, including all requirements set forth below.

The "semester hour" is the standard in computing the amount of work required for graduation. The "hour" represents the amount of work done in one semester (eighteen weeks) in one recitation hour with two preparation hours a week, or in three hours practice or laboratory work requiring no outside preparation. No student is permitted to register for less than fouteen hours or more than seventeen hours of work in any one semester.

Required and Elective Courses.

Of the one hundred and twenty-eight hours credit required for the degree, seventy-seven hours are prescribed as indicated in the curriculum which follows. The remaining fifty-one hours must be elected from courses approved by the class officer. The required and elective courses in the subject of home economics must amount to not fewer than forty hours in all.

To qualify for the vocational home economics certificate, the student must take the following courses in addition to those listed in the curriculum:

1. Home economics 61 and 62.

2. Such courses in education as are prescribed for the high school certificate.

For students interested in extension work the following courses are recommended: Horticulture 1 and 30; Poultry husbandry 2; Dairy husbandry 1; Agricultural education 20.

Class Officer.

The head of the department of home economics will act as class officer.

All students who wish to enter the University for the purpose of taking home economics should confer with the head of the department before registering.

Thesis.

Each candidate for the degree of Bachelor of Science in Home Economics may be required to prepare a thesis on some subject related to the work in home economics. The thesis will be based upon the student's personal work. The subject of the thesis must be presented in writing to the head of the home economics department by the first of November of the academic year in which the student is a candidate for a degree. The completed thesis must be presented for approval not later than thirty days prior to commencement day.

Classification of Students.

To be classified as a conditioned freshman a student must have credit for at least fifteen units of entrance requirements; to be classified as a regular freshman she must have fulfilled all entrance requirements. To be classified as a sophomore she must have credit for twenty-five hours of college work; as a junior fifty-eight hours; as a senior, ninety-two hours.

COURSES REQUIRED OF ALL STUDENTS IN HOME ECONOMICS.

English Composition (English 1 and 2)	6 hrs.	
English Literature (English 3 and 4)	4	
Chemistry	8	
History	5	
Biological Sciences (including Botany 41)	10	
Economics or Sociology	4	
		37 hrs.
Home Economics—		
Foods	9 hrs.	
Textiles and Clothing	7	
Applied Art	7	
Home Management	4	
Elective	13	
	40	40 hrs.
Electives		51
		128 hrs.

CURRICULUM SUGGESTED.

The curriculum given below is suggestive except as regards subjects, and may be varied by the class officer to meet the needs of individual students but the curriculum indicates the subjects which are usually advised for students who desire to take major work in home economics.

Freshman Year.

First Semester.	Hrs.	Second Semester.	Hrs.
English 1	3	English 2	3
Home Econ. 31	4	Home Econ. 4	5
History 29	3	History 49	3
Chemistry 1	4	Chemistry 2	4
Home Econ. 15	2		
Home Econ. 1	1		
	17		15

Sophomore Year.

First Semester.	Hrs.	Second Semester.	Hrs.
Botany 1	4	Zoology 4	5
English 3	2	English 4	2
Home Econ. 19	2	Home Econ. 22	3
Education	3	Education	3
Elective	5	Botany 41	3
	16		16

Junior Year.

First Semester.	Hrs.	Second Semester.	Hrs.
Home Econ. 7	4	Home Econ. 12	4
Home Econ. 33	3	or Home Econ. 26	2
Hygiene 9	2	Home Econ. 34	3
Sociology 1	3	Home Econ. 40	2
Elective	4	Sociology 8	2
	16	Elective	5 or 7
			16

Senior Year.

First Semester.	Hrs.	Second Semester.	Hrs.
Home Econ. 51	3	Home Econ. 54	3
Elective	13	Elective	13
	16		16

Those specializing in Clothing should take:

Home Economics 26	2 hrs.
Home Economics 23	2
Home Economics 25	3
Economics 1 and 2	6

Those specializing in Foods should take:

Home Economics 12	4 hrs.
Home Economics 71, 72, 73, 74	1 to 4
Home Economics 8	3
Chemistry 31	4

Those specializing in Teacher Training should take:

Home Economics 61	2 hrs.
Home Economics 62	2
Education (includ. Ed. 44 and 48)	20

In the freshman year all students will be expected to take Home Economics 1—1 hour, which is a general survey course showing the main subdivisions of home economics.

For students who have had no work in home economics in high school, Home Economics 3—2 hours, and Home Economics 16—1 hours, or their equivalent, should be taken.

COURSES IN HOME ECONOMICS.

Professor COLWELL, Assistant Professors RICHMOND and NESBITT, Mrs. TAYLOR, Mrs. COCHRANE, Miss SLATER and Miss GODDARD.

(1) Students in the College of Arts and Sciences who select home economics as their major should take courses 4 and 7 in the food and nutrition group, courses 31, 33, and 34 in the applied arts group, and courses 15, 19 and 22 in the textiles and clothing group. Courses 51 and 54 in the home management group are strongly recommended. Students who are preparing to teach home economics should take courses 61 and 62 in the teacher training group.

(2) Science requirements: Chemistry 1 and 2, Botany 41 and seven additional hours in Biology are prerequisite or parallel for all courses in home economics except certain courses listed below.

(3) Students in the College of Arts and Sciences who do not wish to take the sciences required may elect the following courses: 2, 15, 16, 19, 31.

(4) Attention is called to the fact that students who take the B.S.H.E. degree are required to take a minimum of 40 hours in home economics. Those students who take the A.B. degree must take not more than 36 hours in home economics.

(5) Students who wish to take the advanced work in home economics are expected to have applied in the home, until skill has been acquired, the principles taught in the elementary courses.

(6) Those students who wish to secure the high school certifi-

cate must take 20 hours of education in addition to the work prescribed in home economics and related subjects.

Survey.

1. **Home Economics Survey.** (1 Hr.) A brief survey of the scope and field of home economics education. (10).
First semester; W., 4:00; Professor COLWELL and staff.

Foods and Nutrition.

2. **Food Selection.** (2 Hrs.) Not open to major students. Open to all other students with no prerequisite. (6).
Second semester; T., Th., 11:00; Professor COLWELL.

3. **Food Preparation.** (2 Hrs.) Required of students who have not had work in home economics in high school or any vocational experience. (4).
First and second semesters; lectures and laboratory, M., F., 2:00-5:00; Assistant Professor NESBITT, 112 O. H.

4. **Food Study.** (5 Hrs.) Prerequisites: Home Economics 3 or its equivalent, and Chemistry 1. (5).
Second semester; T., Th., 9:00; W., 1:00. Laboratory sections, T., Th., 10:00-12:00; M., F., 2:00-4:00; Assistant Professor NESBITT, 208, 112 O. H.

7. **Dietetics.** (4 Hrs.) Prerequisite: Home Economics 4. (24).
First semester; T., Th., 10:00; laboratory sections, T., Th., 2:00-4:30; M., F., 10:00-12:00; Professor COLWELL and Assistant Professor NESBITT.

8. **Group Feeding.** (3 Hrs.) (Limited section). (3).
First and second semesters; M., F., 10:00; laboratory, W., 2:00-5:00.

12. **Human Nutrition.** (4 Hrs.) Prerequisites: Chemistry 31, Home Economics 4, 7. (25).
Second semester; T., Th., 8:00; laboratory, M., F., 2:00-4:30; Assistant Professor NESBITT, 208, 112 O. H.

Textiles and Clothing.

15. **Clothing Selection.** (2 Hrs.) No prerequisites. (41).
First and second semesters; M., F., 8:00; Mrs. COCHRANE and assistants.

16. **Elementary Course in Clothing Construction.** (2 Hrs.) Prerequisite: Home Economics 15 must parallel or precede. (42).
First and second semesters; laboratory sections, M., F., 2:00-

5:00; T., Th., 2:00-5:00; T., Th., 10:00-12:00; Mrs. COCHRANE and assistants.

19. Textile Fabrics. (2 Hrs.) Prerequisite: Home Economics 15. (13).

First and second semesters; M., F., 2:00-4:00; Mrs. TAYLOR, 110 O. H.

22. Selection and Construction of Clothing. (3 Hrs.) Prerequisites: Home Economics 15, 19, 31. (44).

Second semester; W., 1:00; laboratory sections, M., F., 10:00-12:00; T., Th., 2:00-5:00; Mrs. COCHRANE, 211 O. H.

23. Millinery. (2 Hrs.) (16).

First and second semesters; T., Th., 2:00-4:00; Mrs COCHRANE, 211 O. H.

25. Advanced Clothing. (3 Hrs.) (17).

First semester; W., 8:00; laboratory, M., F., 2:00-5:00; Mrs. COCHRANE, 211 O. H.

26. Textile Chemistry. (2 Hrs.) Prerequisite: Home Economics 19, Chemistry 1. (15).

Second semester; M., F., 2:00-4:00; Miss SLATER, 110 O. H.

Applied Arts.

31. Applied Design. (4 Hrs.) (11).

First semester; T., Th., 9:00; laboratory, T., Th., 10:00-12:00; W., 2:00-5:00; Saturday, 9:00-12:00; Miss SLATER, 210 O. H.

Second semester; T., Th., 8:00; laboratory, M., F., 2:00-5:00; Miss SLATER, 210 O. H.

33. House Architecture. (3 Hrs.) Prerequisite: Home Economics 31. (30).

First semester; W., 8:00; T., Th., 2:00-4:00; Miss SLATER, 210 O. H.

34. House Decoration. (3 Hrs.) Suggested prerequisites: Home Economics 19, 31, 33. (31).

Second semester; first section, T., Th., 2:00-4:00; second section, M., F., 10.00-12:00; Miss SLATER, 210 O. H.

Health and Child Care.

40. Child Care. (2 Hrs.) Prerequisites: (if possible) Hygiene and Sanitation 8, Home Economics 4, 7, 15, 16. (9).

Second semester; T., Th., 70:00; Professor COLWELL.

Home Management.

51. Mechanics of the House. (3 Hrs.) Prerequisites: All required courses in home economics. (53).

First semester; M., F., 10:00; W., 8:00; Mrs. TAYLOR, 208 O. H.

54. Home Management. (3 Hrs.) (8).

Second semester; M., F., 10:00; W., 8:00 Mrs. TAYLOR, 208 O. H.

Teacher Training.

61. Home Economics in Public Schools. (2 Hrs.) Open to senior home economics majors. Parallel courses, Education 44 and 48. Prerequisites: All required home economics courses. (26).

First semester; M., F., 8:00; Assistant Professor RICHMOND.

62. Teachers' Course in Home Economics. (2 Hrs.) Open only to senior home economics majors. Prerequisite: Home Economics 61. Parallel course, Education 48, if not previously taken . (27).

Second semester; M., F., 8:00; Assistant Professor RICHMOND.

64. Seminar in Home Economics Education. (2 Hrs.) Open only to senior home economics majors who have completed Home Economics 61. (28).

Second semester; hours to be arranged; Assistant Professor RICHMOND.

General Courses.

71, 72, 73, 74. Special Problems. (1 to 4 Hrs. per semester.) Open to juniors and seniors. Thesis course. Lectures, conferences, laboratory work. Prerequisites: All elementary courses in home economics, Chemistry 1 and 2, Botany 1 and 2 or Zoology 1 and 2 or equivalent. (8).

First and second semesters; hours to be arranged; Professor COLWELL and staff.

CO-OPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS.

The Agricultural Extension Division was created by act of the legislature at the 1913 session, and the administration of the co-operative extension work in West Virginia is based on a memorandum of understanding between the College of Agriculture of West Virginia University and the United States Department of Agriculture, approved July 2, 1914, by D. F. Houston, Secretary of Agriculture.

In this memorandum the College of Agriculture agrees:

(1) To organize and maintain a definite and distinct administrative division for the management and conduct of extension work in agriculture and home economics, with a responsible leader selected by the College and satisfactory to the Department of Agriculture.

(2) To administer through such extension division thus organized any and all funds it has or may hereafter receive for such work from appropriations made by Congress or the State Legislature, by allotment from its Board of Trustees or from any other source.

(3) To co-operate with the United States Department of Agriculture in all extension work in agriculture and home economics which said Department is or shall be authorized by Congress to conduct in the State of West Virginia.

The United States Department of Agriculture agrees:

(1) To organize and maintain a States Relations Service.

(2) To carry on in co-operation with the College of Agriculture of West Virginia University all demonstration and other forms of extension work in agriculture and home economics which the Department is authorized by Congress to conduct in the State of West Virginia.

The College of Agriculture and the Department of Agriculture mutually agree:

* * * * * That all agents appointed for co-operative extension work in agriculture and home economics in the State of West Virginia shall be joint representatives of the College of Agriculture and the United States Department of Agriculture. * * * * * That the head-

quarters of the State organization shall be at the College of Agriculture, Morgantown, West Virginia.

In carrying out this memorandum, co-operative projects for 1924-25 were agreed upon in:

1. Administration.
2. Publications.
3. County Agents.
4. Home Demonstration.
5. Boys' and Girls' Clubs.
6. Animal Husbandry.
7. Poultry.
8. Dairying.
9. Animal Diseases.
10. Agronomy.
11. Horticulture.
12. Plant Diseases.
14. Rural Organization.
15. Institutes and Exhibits.
16. Negro Work.

Under Project No. 1, Administration, the object is set forth as follows:

To co-ordinate and administer all agricultural and home economics extension work provided for under the general memorandum of understanding dated July 2, 1914, between the College of Agriculture, West Virginia University, and the United States Department of Agriculture, and co-operate with the county farm bureaus and such other state, county and local organizations or institutions as may arrange for work under this project.

The College of Law

THE FACULTY.

FRANK BUTLER TROTTER, A.M., LL.D., *President of the University.*

JOSEPH WARREN MADDEN, A.B., J.D., *Dean of the College of Law and Professor of Law*

JAMES RUSSELL TROTTER, A.M., LL.B., PH. D., *Professor of Law*

THOMAS PORTER HARDMAN, M.A., LL.B., J.D., *Professor of Law*

LEO CARLIN, A.B., LL.B., *Professor of Law*

EDMUND CHARLES DICKINSON, A.B., J.D., *Professor of Law*

CLIFFORD RAYMOND SNIDER, A.B., LL.B., S.J.D., *Professor of Law*

JUDGES OF THE PRACTICE COURT AND SPECIAL LECTURERS ON PRACTICE.

JOHN T. GRAHAM, *Former Judge of the Sixth Judicial Circuit*

JOHN H. HATCHER, *Judge of the Supreme Court of Appeals*

WARREN B. KITTLE, *Judge of the Nineteenth Judicial Circuit*

ISAAC GRANT LAZZELLE, *Judge of the Twenty-third Judicial Circuit*

CHARLES W. LYNCH, *Former Judge of the Fifteenth Judicial Circuit and Former Judge of the Supreme Court of Appeals*

HAYMOND MAXWELL, *Judge of the Fifteenth Judicial Circuit*

A. G. HUGHES, *Judge of the Eighteenth Judicial Circuit*

BENJAMIN GARNET REEDER, A.B., LL.B., *Librarian*

W. LOUISE FARRELL, *Secretary*

KENNETH ESTABROOKE MICHAEL, *Library Assistant*

HISTORY AND PURPOSE.

The College of Law was established in 1878 and is the oldest professional school in the University. It is the only law school in the State of West Virginia. A large proportion of the bench and bar of West Virginia have been enrolled among its students.

Its course of instruction for the degree of Bachelor of Laws, originally requiring but one and later two years of law study, was, in 1912, fixed at three years. In 1913 a requirement of one year of college work for admission was added. In September 1924, a requirement of two years of college work for admission became effective.

In 1914 the College of Law was admitted to membership in the Association of American Law Schools, which is an organization of the leading law schools of the United States for the purpose of establishing and maintaining high standards of legal education.

The purpose of the instruction given in the College of Law is to train the student thoroughly in the principles and procedure of the common law with particular reference to their application or modification by decision and statute in West Virginia.

LAW BUILDING.

The new building occupied by the College of Law is of fireproof construction, one hundred and forty-four feet in length, fifty-six feet in minimum width, and three stories in height. It contains three classrooms, a fully-equipped practice court room, study rooms with space for one hundred and fifty readers, private offices for members of the faculty, the dean, the librarian and the secretary; club rooms for both men and women students, a locker room, a clerk and sheriff's office, and stack and shelf space for twenty-five thousand volumes, with room for additional stacks and shelves up to a total capacity of approximately sixty thousand volumes.

LAW LIBRARY.

The Law Library numbers about 17,500 volumes. It contains the reports of the highest courts of all the States, the insular possessions, and the District of Columbia, either complete or to the National Reporter System (including several sets of Virginia and West Virginia reports), most of the published reports of the lower courts of the various States, the complete National Reporter System, the complete reports of the Federal courts, the various sets of annotated selected cases, the various American and English encyclopedias of law, the complete general digest system of the West Publishing Company, a collection of English reports containing the English Reprint and the Law Reports, the Irish Reports, the most important Canadian Reports, complete sets of leading English and American legal periodicals, over 1,000 volumes of treatises, over 800 volumes of State and Federal statutes, including the latest codes, compiliations and acts of the United States and of all the States together with a complete collection of the various codes and acts of Virginia and West Virginia, complete sets of the English Statutes, and over 500 volumes of briefs and records of cases decided by the Supreme Court of Appeals of West Virginia.

ENTRANCE REQUIREMENTS.

CANDIDACY FOR THE DEGREE OF BACHELOR OF LAWS.

The following persons will be admitted to the College of Law as candidates for the degree of Bachelor of Laws:

1. Graduates of colleges of approved standing.

2. Those having credit: (a) for fifteen units preparatory work (see below), and (b) for not less than sixty-four hours of work of collegiate grade in an institution of approved standing, which must include ten hours of English (English 1, 2, 26 and 27 or equivalent) and six hours of history. Persons having credit for all preparatory entrance requirements and sixty of the sixty-four hours may be granted admission to the first year class conditioned upon the removal of such deficiency before the opening of the following year.

To satisfy the fifteen units of secondary school work (work of a standard four-year high school), the following groups are required:

(1) Three or four units of English.[1]
(2) Three units in any other subject.
(3) Two units in Latin.
(4) Two units in mathematics: one of algebra and one of plane geometry.
(5) Four units elective.

Work in the following subjects not to exceed the number of units placed after each subject will be accepted.

English	4 units	Science[3]	
		Physics	1 unit
Foreign languages[2]		Chemistry	1 unit
Latin	4 units	Biology	1 unit
Greek	3 units	Botany	1 unit
French	3 units	Geology	1 unit
German	3 units	Zoology	1 unit
Spanish	2 units	General science	1 unit
Italian	2 units	Physical geography	1 unit
		Physiology	1 unit
		Hygiene and sanitation	1 unit
Mathematics			
Algebra	1½ units	Vocational subjects (not to exceed four units in all).	
Plane geometry	1 unit	Agriculture	3 units
Solid geometry	½ unit	Household arts	3 units
Trigonometry	½ unit	Manual training	3 units
History and economics		Bookkeeping or bookkeeping and commercial arithmetic	2 units
History	3 units	Shorthand and typewriting	2 units
Civics	1 unit	Commercial geography	½ unit
Elementary economics and sociology	1 unit	Commercial law	½ unit
Education	2 units	Music:—violin, organ or piano[4]	2 units
Drawing			
Free-hand drawing	1 unit		
Mechanical drawing	1 unit		

[1] Students who offer only three units of English for entrance must take six hours of college English in addition to the courses otherwise required for their degree.

[2] Not less than two units of one foreign language will be accepted for entrance unless additional work in that language is done in college to complete a minimum requirement of two units. Six hours of college work is the equivalent of one unit of entrance.

[3] A group of two or three units in science may be made by combining one unit each of any of the following: physics, chemistry, biology, botany, zoology, geology.

[4] For conditions governing credit for music see the Bulletin of the School of Music.

PRE-LEGAL COURSES IN COLLEGE OF ARTS AND SCIENCES

Students are urged to complete at least three years of work in the College of Arts and Sciences before entering the College of Law, thus placing themselves in position to take advantage of the combined six-year course which leads to both arts and law degrees. Thorough work of collegiate quality in American and English constitutional history and English is particularly essential.

Students who offer only two years, 64 hours, of college credit for admission are required to have completed the following courses: English 1 (3 hrs.), English 2 (3 hrs.), English 26 (2 hrs.), English 27 (2 hrs.), and six hours of history which should include History 17 (or 18), and History 22. Students coming from other colleges must present equivalent courses. In satisfaction of the remaining 48 hours, which are elective, the following are recommended as well suited to pre-legal students: An advanced course in composition and rhetoric, History 18 (3 hrs.), History 23 (3 hrs.), one or two courses in mathematics to be selected from Mathematics 2 to 8 inclusive, Philosophy 13 (Elementary Psychology) (3 hrs.), Philosophy 22 (Logic) (2 hrs.), Economics 1 (3 hrs.), Economics 2 (3 hrs.), Sociology 1 (3 hrs.), and Engineering 100 (Land Surveying) (3 hrs.). College courses in Latin and Greek are of great value.

Students who do not offer two years of Latin for entrance to the freshman class in the College of Arts and Sciences must satisfy this requirement during the period of pre-legal study.

SPECIAL STUDENTS.

In rare instances persons who can not qualify as candidates for the degree of bachelor of laws may be admitted as special students on petition to the Committee on Entrance, approved by the faculty of the College of Law. The applicant must show that he is more than 22 years of age, that he is unable to pursue such studies as will qualify him for admission as a regular student, that he possesses such educational training and practical experience as will enable him to pursue the study of law satisfactorily, and that he has satisfied the academic requirements specified by the order of the Supreme Court of Appeals, dated September 16, 1924, as preliminary to law study for all persons seeking admission to the bar in West Virginia. (See page 12.) The number of special students admitted in any year will not be more than 10% of the average of the numbers of the two preceding entering classes. Applications for permission

to enter as special students should therefore be made in advance of the regular registration period.

Special students may be admitted to the West Virginia bar only after having passed the State bar examination.

STUDENTS IN OTHER COLLEGES.

Students of at least junior standing in other colleges of the University may be permitted to take work in the College of Law subject to the regulations of the College where they are registered and of the College of Law, but conditioned in each case upon the consent of the instructor giving the course which such student desires to take.

ADMISSION TO COMBINED COURSE.

A student may secure the degrees of Bachelor of Arts and Bachelor of Laws in six years under the following regulation of the College of Arts and Sciences.

Any candidate for the A.B. degree, who, at the end of the junior year has completed 96 semester hours and who has satisfied all other requirements of the College of Arts and Sciences for this degree, may in his senior year take the full first year of the law course, and upon completion of the same shall be entitled to receive the degree of Bachelor of Arts. But if a student has to his credit 92 semester hours at the end of his junior year, he may, subject to the approval of the dean of the College of Arts and Sciences and the dean of the College of Law, be allowed to enter upon the first year of the work of the law course, in which case the degree shall be withheld until he attains four additional credit hours in the College of Arts and Sciences. Such cases, however, shall be treated as exceptions and the student is urged to complete the entire 96 hours of required work in the College of Arts and Sciences before beginning the study of law. No student may substitute the first year of law as above provided, who shall have failed to maintain a uniform record of good scholarship to the end of his junior year in the College of Arts and Sciences.

No work included in the above 96 credits and counted toward the A.B. degree may be again counted toward the LL.B. degree.

ADMISSION TO ADVANCED STANDING.

Applicants for admission to advanced standing must satisfy the following requirements:

1. Compliance with the requirements for admission to the first year class.

2. For admission to the second year class, applicants must have successfully pursued the study of law in residence for at least one

year in an approved law school, where they have received credit for courses equivalent to those required for admission to the second year class in the College of Law.

3. For admission to the third year class, applicants must have successfully pursued the study of law in residence for at least two years in an approved law school where they have received credit for courses equivalent to those required for admission to the third year class in the College of Law.

No credit will be given for work done in a law office.

No student may receive the degree of Bachelor of Laws without at least one year's residence in the University and the successful passing of courses aggregating twenty-eight semester hours pursued in the College of Law.

Any applicant for advanced standing may also, in the discretion of the law faculty, be required to undergo an examination in any or all subjects presented for advanced standing.

CLASSIFICATION OF STUDENTS.

Students who have less than twenty-two hours of law credit are classified as first year law students.

Students who have twenty-two or more hours, but less than fifty hours of law credit are classified as second year students.

Students who have fifty or more hours of law credit are classified as third year students.

The classification under the above rules is made as of November 1st of each year.

REQUIREMENTS FOR DEGREES.

BACHELOR OF LAWS.

Students who have satisfied the preparatory and college requirements for entrance to the College of Law as candidates for the degree of bachelor of laws, and who have satisfactorily completed courses aggregating eighty-six hours, distributed over three years residence and who have otherwise satisfied the requirements of the University and of the College of Law, will be granted the degree of Bachelor of Laws.

The eighty-six hours offered by a student for the degree of bachelor of laws must include the following courses: Contracts, Personal property, Agency, Torts, Actions, Common law pleading, Criminal law and procedure, Persons and domestic relations, Real property I, Real property II, Evidence, Equity jurisdiction I, Practice and procedure, and Practice court.

A satisfactory record of attendance, or a valid excuse for non-

attendance, at such special lectures as shall be arranged by the College of Law for the law students, is required of each candidate for the degree of Bachelor of Laws.

Students who take military science after enrolling in the College of Law will be permitted to substitute two hours' credit in military science for two hours of law.

ADMISSION TO BAR.

Under the provisions of ch. 119, sec. 1, of the West Virginia Code, those who receive the degree of bachelor of laws from the West Virginia University may be admitted to the bar without further examination.

Bar Examinations.

All persons seeking admission to the West Virginia bar, except those who hold the degree of bachelor of laws from West Virginia University, are required to take and pass the State bar examination.

The bar examinations are held at Charleston, commencing on the second Wednesday of March and of September.

An order made and entered by the Supreme Court of Appeals on September 16, 1924, contains the following provision:

"Until otherwise provided it is ordered, under Chapter 119, Section 1 of the Code, as follows:

1. Persons applying, on and after July 1, 1928, for license to practice law in this state under the provisions of Section 1, of Chapter 119 of the Code, must satisfy the following requirements as to period of study and degree of preparation:

(1) A preliminary academic education equivalent to at least two years of study in a college.

(2) Three years of diligent law study as a resident student in a law school certified by the Association of American Law Schools as complying with the following standards:

(a) It shall require its students to pursue a course of three years' duration if they devote substantially all of their working time to their studies, and a longer course, equivalent in the number of working hours, if they devote only part of their working time to their studies.

(b) It shall provide an adequate library, available for the use of the students.

(c) It shall have among its teachers a sufficient number giving their entire time to the school to insure actual personal acquaintance and influence with the whole student body.

Graduation from such a school shall be evidenced by a certificate

to the State Board of Law Examiners by the head of the school at which such study was pursued, showing in detail all the work done.

(2) The following members of the Bar of the State shall constitute a State Board of Law Examiners, namely, John O. Henson, Robert S. Spilman, Joseph M. Sanders, James W. Ewing and J. W. Vandervort. They may select a competent secretary from their own number or from the outside.

The said Board shall have the power to make all needful rules and regulations for the conduct of the examination and shall make such examination equivalent in scope to that required for graduation from law schools which are members of the Association of American Law Schools. The Board shall issue a written certificate to each person who passes such examination.

3. Persons applying, prior to July 1, 1928, for license to practice law in this state under the provisions of Section 1, of Chapter 119 of the Code, must satisfy the above requirements except in the following particulars:

(a) A preliminary academic education equivalent to that required for graduation from a high school of the first class in West Virginia, which may be evidenced by a diploma of graduation from such a high school or by a certificate showing equivalent credits for admission to West Virginia University, or by passing an examination on equivalent subjects, shall be accepted in lieu of two years of study in a college.

(b) Three years of diligent law study as a student in the office of, and under the direction of, a member of the bar of this state (or another state) equivalent in character and scope to the study required from a law school as above defined shall be accepted in lieu of study as a resident student in such a law school.

4. Any person duly licensed to practice in another state, or in the District of Columbia, and who desires to be licensed as a resident practitioner in West Virginia, must first establish a residence in the state, but such residence need not have been maintained for any definite period preceding an application for admission to the bar examination. If any such applicant has engaged in the regular practice of law for five years or more in another state, or in the District of Columbia, the Board of Law Examiners may, in its discretion, accept such five years of law practice as being the equivalent of the preliminary academic and law studies above specified, but the applicant must give the information relating to his previous academic preparation and law study called for in the application blank and must also furnish to the Board such information regarding his previous professional experience and practice as the Board may require. Any such applicant who has not been regularly engaged in the practice of

law for five years or more must satisfy the preliminary academic and law study requirements above specified.

Information as to bar examinations and as to other matters relating to admission to the bar may be obtained upon inquiry directed to the Secretary, State Board of Law Examiners, Charleston, W. Va.

WEST VIRGINIA LAW QUARTERLY.

The West Virginia Law Quarterly is published in December, February, April and June by the faculty of the College of Law. It is the official publication of the West Virginia Bar Association.

The editors of the Student Note and Recent Case Department of the Law Quarterly are members of the second and third year classes, who are chosen each year from those students who made the highest grades in the preceding year. This department affords to ambitious students an opportunity to do research work of a practical nature.

STUDENT CLUB COURTS.

A system of Club Courts, for the argument of law points arising out of statements of facts submitted by the members of the Faculty and others, is in operation in the College of Law. Membership in these clubs is voluntary, but an opportunity to join one of them is open to every student in the College of Law. The arguments are presided over by members of the faculty, members of the bar in active practice, and senior law students.

PRIZES.

Awards for prizes in the University are made in accordance with the following rules:

No composition, in whole or in part, shall be submitted in competition for two prizes.

Only students pursuing courses leading to baccalaureate degrees are eligible for any prize offered, except for the James F. Brown prize.

No student shall be eligible to enter any contest who has not been a resident student in this University for at least one semester preceding the semester in which the contest is to be held, and who, unless he be a competitor for the James F. Brown prize is not a resident student in good standing in the University in the semester in which the contest is held.

No successful contestant may become for a second time a competitor for the same prize.

If in any contest the judges find no manuscript of sufficient merit, there shall be no award of the prize for that year.

Students intending to compete in any essay-writing contest must notify the chairman of the Committee on Prizes not later than March 15. Three typewritten copies of each essay must be in the hands of the chairman of the committee not later than May 15.

The conditions upon which the awards in the several contests are

made may be learned upon application to the President's office, or to the members of the Committee on Prizes.

The following University prizes are of peculiar interest to law students:

The Bryan Prize in Political Science.

The Hon. William J. Bryan has given a sum of money, the income of which is offered as a prize for the best essay on some subject in the science of government. The amount of this prize is $15.00.

The Tax Commission Prize.

The members of the State Tax Commission of 1902, W. P. Hubbard, Henry G. Davis, John K. Thompson, L. J. Williams and J. H. Holt, have given the sum of $1,350, the income of which is to be used annually as a prize for the "best original work bearing on matters of taxation in West Virginia." The conditions of competition are determined by the Council of Administration. The amount of the prize at present is $70.00.

The James F. Brown Prize.

In 1919 the late Mr. James F. Brown, of the Class of 1873, gave $5,000.00 to the University, the proceeds to be invested by it and the income used as a prize for the best essay each year on a subject concerning the privileges and immunities of citizens guaranteed by the Federal or State constitutions. The subject for the year 1925-26 will be as follows: "Freedom of the Press Under Our Constitutions."

Students in the senior class and within one year after graduation are eligible to compete.

The Cassell W. Mowrey Memorial Prize.

Brooke's Inn of Phi Delta Phi offers a prize of $20.00 in gold to the member of the first-year class of the College of Law who attains the highest scholastic standing for the year.

Only candidates for the LL.B. degree are eligible.

The prize is in honor of the memory of Cassel W. Mowrey, who was a member of Brooke's Inn.

UNIVERSITY FEES AND EXPENSES.

Students in the College of Law are charged:

A tuition fee of $25.00 a semester if residents of West Virginia, and $50.00 a semester if non-residents.

A contingent fee of $12.50 a semester.

A student activity fee of $5.00 a semester.

A medical fee of $2.50 a semester.

A diploma fee of $10.00, payable at the beginning of the semester in which the student expects to receive his degree.

A fee of $2.00 each semester is charged for registration and the issuance of class cards. This fee is remitted to all students who procure class cards during the first three days of the first semester, and the first two days of the second semester.

Refunding of Tuition Fees.

Students who withdraw from the University for good and sufficient reasons during the first two weeks of the semester, will have their fees refunded upon making application to the President.

COST OF A YEAR'S WORK.

Board and lodging may be obtained in Morgantown for from $8.00 to $10.00 a week. Furnished rooms may be obtained at from $2.00 to $3.50 a week for each tenant with two in a room. Board in private families or in students' boarding clubs costs from $6.00 to $7.00 a week. A student's washing will cost usually from $10.00 to $18.00 a year; his text books from $20.00 to $40.00 a year, and his college fees $40.00 a year. Traveling expenses, clothing and miscellaneous expenses will depend largely upon the tastes and habits of the individual. In general it may be said that the legitimate cost of a nine months' term of residence at the University ranges from $400.00 to $650.00, exclusive of traveling expenses.

Text-books are kept for sale in the University book store. The student librarians in the College of Law sell second hand law books, charging 10% commission.

State cadets are furnished their stationery and text-books to the value of $10.00.

COURSES AND EXAMINATIONS.

COURSES.

All courses extend either throughout the entire year or through one semester. No credit will be given for less than an entire course except by special order of the faculty. Grades given at the end of the first semester in courses extending throughout the year are merely indicative of the quality of work done by the student to that point and do not give credit for the part of the course so far pursued. Such first semester grade may be considered in determining the final grade. Any student who fails in the first semester's work in any such course will not be permitted to continue that course.

EXAMINATIONS.

Students are required to take all regular examinations. No student who absents himself from any such examination without being excused therefrom by the faculty of the College of Law, will receive credit unless he repeats the course successfully. If absence from a final examination is permitted by the faculty, the student's grade in that course will be withheld until he has passed the next examination for the the removal of conditions in the course. Application for leave to be absent from a regular examination must be made before the hour at which such examination closes.

Regular examinations are held at the end of each semester in all courses. The period devoted to such examinations and the length of time of each examination are determined by the faculty of the College of Law.

Examinations for the Removal of Conditions are held during the seven days immediately following the day for mid-semester reports in the second semester and the seven days immediately following the opening of the University in the fall. No other special examinations are given.

GRADES.

Reports of students' grades are made at the end of each semester. If such grade be reported at the end of the course, it is the student's grade for the course; if at the end of the first semester in a course extending throughout the year, it is merely indicative of the quality of the student's work that far in the course.

In determining grades the instructor gives such weight as he deems best to examinations, daily recitations, and attendance. He may refuse examination to any student because of poor attendance.

The privilege of examination is denied a student absent for any cause, from 12% of the class periods of a course during the semester

preceding the examination unless special permission is given him by the Committee on Classification and Grades on the recommendation of the dean of the college, and the instructor, to take such examination. In all such cases the time lost must be made up by attendance at an approved law school before the student will be recommended for a degree or before his attendance will be certified to another law school.

Students who fail in any course are given no credit for it.

A student who is conditioned in any course will receive no credit for it unless he pass the **next** examination for removal of conditions in that subject, provided, however, that the faculty may require a student to complete certain supplementary work in lieu of such examination or in addition thereto.

The law faculty may warn any student whose work is deemed unsatisfactory, place him on probation or refuse his re-registration in the College of Law.

METHOD OF INSTRUCTION.

The work of the students is based chiefly upon the study and discussion of decided cases, with collateral reading of statutes, approved text-books and periodicals, elucidated by free discussion in the class.

COURSES IN PRACTICE AND PROCEDURE.

Practice and Procedure. Instruction in practice and procedure is preparatory and supplementary to the work of the practice court, and is conducted by text-book lectures and special study of the statutes and decisions governing West Virginia practice and procedure. Attention is given to the jurisdiction and functions of the Supreme Court of Appeals, the Circuit, County and inferior Courts, and the powers, duties, and liabilities of attorneys at law as officers of the court. The statutes and decisions governing the purpose and use of special legal and equitable remedies, such as attachment, garnishment, statutory motions, injunctions, etc. receive careful attention. Attention is also given to the procedural phases of the extraordinary legal remedies, such as mandamus, habeas corpus, certiorari, quo warranto, prohibition, etc.

Practice Court. The practice court exercises original jurisdiction in law, equity, criminal and probate cases, and appellate jurisdiction in appeals from inferior tribunals.

Every third-year student, before receiving the bachelor's degree is required to prepare the pleadings and prosecute to judgment the

required number of cases in the practice court. The equivalent of at least five hours in each week during the second semester must be spent by each third-year student in participation in practice court work in the court room.

Statements of facts are furnished, such as would be related to a lawyer in active practice by his client. Each student must determine whether or not upon such facts the particular case in hand is one of common law, equity, criminal or probate cognizance. He must then frame his pleadings, serve his summons or notice and answer his adversary's pleadings until issue is joined in legal manner, after which the case is brought on for hearing in strict accordance with settled legal procedure, witnesses are examined and cross-examined, and the case is conducted through all the various stages of trial or hearing down to and including the judgment, decree, or sentence, after which, should the case be appealed, it must be carried through the Supreme Court, involving the preparation of the record on appeal, briefs of counsel, etc.

The clerk and his assistant are chosen from the student body, from whose ranks are also drawn a sheriff, jurors, and other officers, thus giving to the students the benefit of practice in administrative judicial machinery. The sessions are presided over by that member of the law faculty who has charge of practice courses and by circuit judges especially chosen for the work. The judges also lecture upon various subjects of interest to the students, and especially upon legal ethics.

Drafting of Legal Instruments. Students are instructed in this course in the actual preparation of deeds, mortgages, wills, abstracts and opinions of title, assignments, contracts, partnership agreements, and other legal instruments, which a lawyer is called upon to prepare. Statements of facts are furnished to the class by the instructor in charge and each student is required to prepare the various forms of instruments. These are corrected by the instructor and are discussed and criticised in class. Careful consideration is given to special forms of execution and acknowledgement when one of the parties is a corportation, a partnership, a married woman, or the like.

COURSES OF INSTRUCTION.

The curriculum leading to the degree of Bachelor of Laws covers a period of three academic years. The work of the first year is prescribed. All of the studies of the second year are elective except Common law pleading, Evidence, Real property II and Equity jurisdiction I, and all of the third years courses except Practice and procedure, and Practice court. Second year courses may be elected by third year students, but third year courses will not in general be open to second year students. A few subjects that are given only in alternate years may be elected by both second and third year students. All required courses are marked by an asterisk.

It is expected that each student will carry fourteen hours of class room work per week during the first and second years and fifteen during the third. Not less than thirteen nor more than sixteen hours may be carried without special consent of the law faculty.

PROGRAM OF COURSES FOR 1925-26.[1]

FIRST YEAR.

***Actions.** (2 Hrs.) Two hours a week in the first semester. Sunderland, Cases on Common Law Pleading and required readings. Professor CARLIN.

***Agency** (Including Workmen's Compensation). (4 Hrs.) Two hours a week throughout the year. Wambaugh, Cases on Agency. Professor HARDMAN.

***Contracts.** (6 Hrs.) Three hours a week throughout the year. Williston, Cases on Contracts (2d ed.) Professor SNIDER.

***Criminal Law and Procedure.** (4 Hrs.) Four hours a week in the second semester. Mikell, Cases on Criminal Law and Criminal Procedure. Professor J. R. TROTTER.

***Personal Property.** (2 Hrs.) Two hours a week in the first semester. Bigelow, Cases on Property, vol. 1. Professor J. R. TROTTER.

***Persons and Domestic Relations.** (2 Hrs.) Two hours a week in the first semester. Smith, Cases on Persons. Professor MADDEN.

***Real Property I.** (2 Hrs.) Two hours a week in the second semester. Bigelow, Cases on Property, vol. 2. Professor MADDEN.

***Torts.** (6 Hrs.) Three hours a week throughout the year. Pound's Edition of Ames and Smith, Cases on Torts. Professor DICKINSON.

[1]The program of courses as here given is subject to change.

SECOND YEAR.

*Common Law Pleading (Including Drafting of Pleadings). (4 Hrs.) Four hours a week in the second semester. Sunderland, Cases on Common Law Pleading. Professor CARLIN.

[Damages. (2 Hrs.) Two hours a week in the second semester. Beale, Cases on Damages (2d ed.). Omitted in 1925-26 and in alternate years thereafter. Professor DICKINSON.]

*Equity Jurisdiction I. (4 Hrs.) Two hours a week throughout the year. Case book to be selected. Professor SNIDER.

*Evidence. (4 Hrs.) Four hours a week in the first semester. Hinton, Cases on Evidence. Professor HARDMAN.

Negotiable Instruments. (3 Hrs.) Three hours a week in the second semester. Smith and Moore, Cases on Bills and Notes (2d ed.) Professor DICKINSON.

*Real Property II. (4 Hrs.) Two hours a week throughout the year. Aigler's Cases on Property and Bigelow's Cases on Rights in Land. Professor MADDEN.

Sales of Personal Property. (3 Hrs.) Three hours a week in the second semester. Woodward, Cases on Sales (2d ed.). Professor J. R. TROTTER.

Trusts. (4 Hrs.) Four hours a week in the first semester. Scott, Cases on Trusts. Professor MADDEN.

[Wills and Administration. (3 Hrs.) Three hours a week in the first semester. Costigan, Cases on Wills, Descent, and Administration. Given 1925-26 and in alternate years thereafter. Professor J. R. TROTTER.]

See also the courses listed as third year courses but enclosed in brackets. All of these courses are open to second year students.

THIRD YEAR.

[Administrative Law. (2 Hrs.) Two hours a week in the second semester. Selected cases. Given in 1925-26 and in alternate years thereafter. Professor HARDMAN.]

[Bankruptcy. (2 Hrs.) Two hours a week in the first semester. Williston, Cases on Bankruptcy (2d ed.). Given in 1925-26 and in alternate years thereafter. Professor HARDMAN.]

Conflict of Laws. (4 Hrs.) Four hours a week in the first semester. Beale, Cases on Conflict of Laws. Professor DICKINSON.

[**Constitutional Law.** (4 Hrs.) Two hours a week throughout the year. Case books to be selected. Given in 1925-26 and alternate years thereafter. Professor SNIDER.]

Drafting Legal Instruments. (1 Hr.) One hour a week in the second semester. See page 17 for information as to the work in this course. Professor CARLIN.

[**Equity Jurisdiction II.** (2 Hrs.) Two hours a week in the second semester. Chafee, Cases on Equitable Relief Against Torts. Omitted in 1925-26 and in alternate years thereafter. Professor SNIDER.]

Equity Pleading and Practice. (2 Hrs.) Two hours a week in the first semester. Shipman on Equity Pleading, or case book to be selected. Professor CARLIN.

[**Insurance.** (2 Hrs.) Two hours a week in the second semester. Vance, Cases on Insurance. Given in 1925-26. Professor J. R. TROTTER.]

[**Jurisprudence.** (2 Hrs.) Two hours a week in the second semester. Lectures and required readings. Omitted in 1925-26 and in alternate years thereafter. Professor HARDMAN.]

[**Mining Law.** (2 Hrs.) Two hours a week in the second semester. Selected cases on rights in coal, oil and gas. Given in 1925-26 and in alternate years thereafter. Professor MADDEN.]

[**Municipal Corporations.** (2 Hrs.) Two hours a week in the first semester. Beale, Cases on Municipal Corporations. Omitted in 1925-26 and in alternate years thereafter. Professor HARDMAN.]

[**Partnership.** (3 Hrs.) Three hours a week in the first semester. Gilmore, Cases on Partnership. Omitted in 1925-26 and in alternate years thereafter. Professor J. R. TROTTER.]

***Practice and Procedure.** (4 Hrs.) Four hours a week in the first semester. Munson, Elementary Practice, selected cases, statutes and lectures. See page 18 for information as to work in this course. Professor CARLIN.

***Practice Court.** (3 Hrs.) Court sessions and lecture periods in the second semester as specified by the faculty. See page 18 for information as to work of the practice court. Professor CARLIN and circuit court judges.

Private Corporations. (4 Hrs.) Four hours a week in the first

semester. Warren, Cases on Private Corporations. Professor J. R. Trotter.

Public Utilities. (4 Hrs.) Four hours a week in the second semester. Burdick, Cases on Law of Public Service and Frankfurter, Cases under Interstate Commerce Act. Professor Hardman.

[**Quasi-Contracts.** (3 Hrs.) Three hours a week in the second semester. Woodruff, Cases on the Law of Quasi-Contracts. Given in 1925-26 and in alternate years thereafter. Professor Dickinson.]

[**Real Property III.** (4 Hrs.) Four hours a week in the second semester. Kales, Cases on Future Interests. Omitted in 1925-26 and in alternate years thereafter. Professor Madden.]

[**Suretyship.** (2 Hrs.) Two hours a week in the first semester. Hening, Cases on Suretyship. Omitted in 1925-26 and in alternate years thereafter. Professor Snider.]

[**Use of Law Books.** (1 Hr.) One hour a week in the second semester. Omitted in 1925-26 and in alternate years thereafter. Professor Dickinson.]

COURSES IN COLLEGE OF ARTS AND SCIENCES.

History 43. International Law and Practice of Diplomacy. (2 Hrs.) Open to third year men, and second year men who have had at least two years of pre-legal study. This course is taught by Professor Callahan of the Department of History.

Public Speaking 14. Argumentation and Debate. (2 Hrs.) Two hours a week in either semester.

Public Speaking 15. Advanced Argumentation and Debate. (2 Hrs.) Two hours a week in the second semester.

See University catalogue for information as to work in Public Speaking 14 and 15. These courses are given by Professor Kay of the Department of Public Speaking.

The School of Medicine

THE FACULTY.

FRANK BUTLER TROTTER, A.M., LL.D., *President of the University.*

JOHN N. SIMPSON, M.D., *Dean and Professor of Medicine*

MARTIN LOXLEY BONAR, M.D., *Professor of Pharmacology*

SAMUEL JOHN MORRIS, M.D., *Professor of Anatomy*

EDWARD JERALD VAN LIERE, B.A., M.S., M.D., *Professor of Physiology*

IRVIN HARDY, M.S., MD., F.A.C.S., *Professor of the Principles and Practice of Surgery*

GORDON ALGER BERGY, PH.C., *Professor of Pharmacy*

WILLIAM ADAMS SMITH, M.D., C.M., *Professor of Pathology and Bacteriology*

GIDEON STANHOPE DODDS, PH.D., *Associate Professor of Histology and Embryology*

ROBB SPALDING SPRAY, PH.D., *Associate Professor of Bacteriology*

GEORGE RUSSELL BANCROFT, PH.D., *Professor of Physiological Chemistry*

J. FRANK PEARCY, PH.D., *Associate Professor of Physiology*

JOSEPH LESTER HAYMAN, PH.C., *Assistant Professor of Pharmacy*

CHARLES McCHESNEY BRAY, M.D., *Instructor in Physical Diagnosis*

CHARLES ROYAL KESSEL, M.D., *Instructor in Physical Diagnosis and in charge of Student Health Service*

ELMER LIONEL HAMMOND, PH.C., B.S., PHARM., *Instructor in Pharmacy*

VIRGIL ROSS HERTZOG, PH.G., *Assistant in Pharmacology and Physiological Chemistry*

RAYMOND HAILE CURRY, B.S., *Assistant in Pathology and Bacteriology*

RAYMOND EVAN BAILEY, B.S., *Assistant in Anatomy*

HAROLD GLENN YOUNG, B.S., *Assistant in Physiology*

INSTRUCTION IN MEDICINE.

Regular instruction in subjects preparatory to the study of medicine was first given in West Virginia University in 1871, the "chair of anatomy, physiology, and hygiene," having been established in that year. A curriculum covering the first two years of a standard four years' medical course was provided in 1902 and the work was placed in charge of the College of Medicine with a resident faculty of six men. In 1912 the College of Medicine became the School of Medicine. In reorganizing the work in medicine the Board of Regents retained the general character of the curriculum previously offered but provided for a larger faculty, more laboratories and more edequate equipment.

As at present constituted the West Virginia University School of Medicine has its own dean and faculty but confers no degrees in medicine. It is not affiliated with any other college or school of medicine and its students may go where they like to complete their medical studies and receive the degree of M.D.

The work in physical diagnosis and in introductory surgery is in charge of practicing physicians, members of the local medical profession.

THE MEDICAL BUILDING.

A three-story brick building furnishes room for the classes in medicine.

On the first floor are found the offices of the dean, the offices of the professors of pharmacology and physiological chemistry, the pharmacological and physiological chemical laboratories, and a general lecture room. On the second floor are the laboratories for bacteriology and pathology and two laboratories for physiology. On the third floor is a large laboratory for gross anatomy, one for histology, and one large lecture room. Each laboratory is provided with an abundance of light. There is an incinerating plant for the disposal of refuse.

STUDENT HEALTH SERVICE AND DISPENSARY.

The University maintains a small hospital and dispensary in connection with the Student Health Service. This is in charge of a full time physician. Ambulatory patients are treated from nine to twelve o'clock and from two to five o'clock. On the first floor of the infirmary are the waiting rooms and the offices of the physician and the nurse. On the second floor is an isolation room where students having contagious disease may be isolated from other students and treated. Students not able to come to the infirmary will be treated at their homes.

A three bed ward is maintained for the treatment of any student who may require treatment only for a day or two, or for any student needing hospital treatment who is unable to pay for hospital service. This is not to be construed as general hospital service for the student body, nor does the University render nursing service at the rooms of the students. The nurse is available only for such service as can be rendered at the infirmary.

In case a student cannot communicate with the University physician he is privileged to call another physician, the university paying for this first call, but this service must be terminated after the first call, unless the student wishes to pay for further service himself.

The dispensary is open also to the city poor.

LABORATORIES.

ANATOMICAL LABORATORY.

The anatomical laboratory is equipped with a Balopticon for doing projective work, a complete set of imported models of the brain and nervous system, eye, ear, thoracic and abdominal viscera, joints and muscles. There are frozen sections of the body for use in the study of regional anatomy. Each student in gross anatomy has the use of a complete skeleton and each student in histology is provided with a microscope.

LABORATORY OF HISTOLOGY AND EMBRYOLOGY.

The laboratory of histology and embryology has a modern equipment of microscopes and provides miscroscope illumination with daylight glass for dark days. Each student is assigned a loan set of slides covering the subject matter of the course. The laboratory has also a collection of models of embryos and certain histological structures. A micro-projection apparatus is available. The preparation room is equipped with the necessary apparatus and reagents for making microscopic preparations.

PATHOLOGICAL LABORATORY.

The pathological laboratory is equipped with all necessary apparatus for general and special work, including parafine and celloidin microtomes, freezing microtomes, paraffine ovens, microscopes with oil immersion lenses, all necessary stains and chemicals. There is also a projection appartus with microscope attachment for demonstration purposes. The department possesses a large collection of mounted microscopic sections representing all the pathological processes, and a museum of gross specimens. Surgical material is obtained from the city hospital.

LABORATORY OF MEDICAL BACTERIOLOGY.

The bacteriological laboratory is equipped with all necessary apparatus, such as sterilizers, incubators, glassware, etc. Each student has the use of a miscrope with oil immersion lens. Special apparatus for bacteriological examination of air, water, milk, and blood is supplied to each student. Material for laboratory work in bacteriological diagnosis, such as Widal tests for typhoid, examination of sputum for tubercle baccilli, bacteriological examination of water, etc., is available.

PHYSIOLOGICAL AND CHEMICAL LABORATORIES.

The laboratories devoted to the work in physiology are supplied with tables, each accommodating two students who work together. Each table has a complete set of Harvard physiological apparatus which is lent to the student with a charge of breakage only. There are for general use kymographs, apparatus for work in blood pressure and blood counting, hemoglobinometers, charts and models.

The physiological chemistry laboratory is large and well-equipped. There is a stock room and a laboratory for research in connection with it.

PHARMACOLOGICAL LABORATORY.

The pharmacological laboratory is equipped with chemical desks, operating tables, and electrical kymograph and respiration apparatus for taking continuous records of respiration and blood pressure. Special animal cages are provided to meet the needs of courses 1 and 2. In addition, a special animal house for the proper care of experimental material is provided. Aside from the general equipment of the laboratory, each group of two students is provided with indi-

vidual sets of apparatus and reagents. The laboratory is also provided with a collection of crude drugs, alkaloids, glucosides, and analytical chemicals.

The chemical, botanical, and zoological laboratories of the University are also open to students in the School of Medicine.

LIBRARY AND READING ROOM.

The medical library consists of over 3500 bound volumes and many bound journals and reprints. There is a good collection of works on chemistry, anatomy, physiology, pharmacy, zoology, botany, pathology, bacteriology, pharmacology, medicine and surgery. There are bound volumes of the leading scientific journals as well as many of the leading German, French and American journals devoted to the laboratory side of medicine. The medical library occupies a separate room on the first floor of the library building. It is open from 8:00 a. m. to 10:00 p. m. In addition each department has its own collection of books for the use of instructors and students.

TUITION AND FEES.

Students in the School of Medicine who are residents of the State are required to pay a tuition fee of $25.00 a semester. For students not residents of the State the fee is $100.00 a semester. All students must pay the following additional fees each semester: Contingent fee, $15.00; Student Activity fee, $5.00; Medical fee, $2.50. A diploma fee of $10.00 is payable by each student at the beginning of the semester in which he expects to graduate. The total is $95.00 per year for residents: $245.00 for non-residents.

ADMISSION TO THE COURSE IN MEDICINE.

SECONDARY SCHOOL CREDITS.

For admission to the course in medicine the student must have credit for fifteen units of secondary school work, i. e., the work of the standard four-year high school.

A. The following groups are required:
   (1) Three or four units of English.[1]
   (2) Two units in mathematics: one in algebra and one in plane geometry.
   (3) Two units in Latin.
   (4) One unit of history.
   (5) Six units elective.

B. Work in the following subjects not to exceed the number of units placed after each subject will be accepted.

English	4 units	Science[3]	
		Physics	1 unit
Foreign languages[2]		Chemistry	1 unit
Latin	4 units	Biology	1 unit
Greek	3 units	Botany	1 unit
French	3 units	Geology	1 unit
German	3 units	Zoology	1 unit
Spanish	2 units	General science	1 unit
Italian	2 units	Physical geography	½ unit
		Physiology	½ unit
Mathematics		Hygiene and sanitation	½ unit
Algebra	1½ units	Vocational subjects (not to exceed four units in all)	
Plane geometry	1 unit		
Solid geometry	½ unit	Agriculture	3 units
Trigonometry	½ unit	Household arts	3 units
		Manual training	3 units
History and economics		Bookkeeping or book keeping and commercial arithmetic	2 units
History	3 units		
Civics	1 unit		
Elementary economics	1 unit	Shorthand and typewriting	2 units
Sociology	1 unit		
		Commercial geography	½ unit
Education	2 units	Commercial law	½ unit
Drawing			
Free-hand drawing	1 unit	Music:—violin, organ or piano[4]	2 units
Mechanical drawing	1 unit		

[1] Students who present only three units of English for entrance are required to elect six hours of college English in addition to the minimum number of hours in that subject required for their degree.

[2] Not less than two units of one foreign language will be accepted for entrance unless sufficient additional work in that language is taken in college to complete a minimum of two units.

[3] A group of two or three units in science may be made by combining one unit each of any 2 of the following: physics, chemistry, biology, botany, zoology, geology.

[4] For conditions governing credit work in music see the announcements of the School of Music.

COLLEGE CREDITS.

In addition to the fifteen units of secondary school credit as listed on the preceding page, the student must have credit for sixty-four hours' work done either in the College of Arts and Sciences of West Virginia University or in another institution of equal grade.

In accordance with the regulations of the American Medical Association and the Association of American Medical Colleges a schedule covering two years of premedical college work has been laid down as shown on pages 9 and 10.

CONDITIONAL ADMISSION.

Under no circumstances will students be admitted to the course in medicine without having completed fifteen units of secondary school work and sixty hours of college work, including the subjects marked with an asterisk in the schedule, which are required by the American Medical Association; but students who lack the remaining four hours of college work may be admitted to the course conditionally and must find opportunity to remove the condition in the Summer School or elsewhere before enrolling for the second year in the School of Medicine.

THE COMBINED B.S. AND M.D. COURSE.

A student who desires to prepare himself for the practice of medicine and who has satisfied the requirements for entrance to the freshman class of the College of Arts and Sciences may matriculate in the College of Arts and Sciences and announce his intention of taking a combined scientific and medical course. After removing all entrance conditions and completing sixty-four hours (two years) of work in this college he may enter upon the two years course of the School of Medicine. On the completion of the course of this School he will receive the degree of Bachelor of Science. He may then enter a standard medical college, complete its course and receive the degree of Doctor of Medicine. His college and medical course together will in this case usually occupy six years.

The courses required in the College of Arts and Sciences and in the School of Medicine are indicated in the following schedule:

Courses in the College of Arts and Sciences.

First Year First Semester.			First Year—Second Semester		
*English 1	3		*English 2	3	
English 26	2		English 27	2	
*Chemistry 1	4		*Chemistry 2	4	
*Zoology 1	4		*Zoology 2	4	
German or French	3		German or French[2]	3	
Military science	1	17	Military science	1	17
Second Year—First Semester.			**Second Year—Second Semester**		
*Physics 1	3		*Physics 3	3	
*Physics 2	1		*Physics 4	1	
Chemistry 18	3		Philosophy	3	
Elective 5	5		*Chemistry 36	6	
Chemistry 32	2		Elective	2	
Military science	1	15	Military science	1	16

Courses in the School of Medicine.

Junior Year—First Semester.

COURSE	Hours a Week		Hours a Semester			PERIODS	RE.
	Lect.	Lab.	Lect.	Lab.	Total		
Physiological Chemistry 1	3	10	54	180	234	A. Lab., M. Th., 8-12 S. 8-10 B. Lab., T. F., 8-12 S. 11-1 Lect. W., 9 and 12, S. 10	5
Histology 4	2	8	36	144	180	A. Lab. T. F., 8-12 B. Lab., M. Th., 8-12 Lect. W., 8 and 11	5
Anatomy 1	4	11	72	195	267	M. T. W. Th. F., 2-5	7

Junior Year—Second Semester

Bacteriology 5	2	8	36	144	180	A. Lab., M. T. Th., 10-12 W. 11-1 B., T. W. Th. F., 8-10 Lect., M. 8, F. 11	5
Neurology 3	2	4	36	72	108	A. Lab., W. F. 8-10 B. Lab., M. 10-12 W. 11-1 Lect., M. 9, F. 10	3
Embryology 5	2	4	36	72	108	A. Lab., T. Th. 8-10 B. Lab. T. Th. 10-12 Lect., T. Th. 2	3
Anatomy 2	3	6	54	108	162	M. F., 2-5, W., 3-6	5
Physiology 2	1	3	18	54	72	A. Lab., T. 3-6; B. Lab., Th. 3-6. Lect., W. 2	2
Pharmacology 1		3			54	A. Lab., T. 3, Lab., Th. 3	1

Senior Year—First Semester.

COURSE	Hours a Week		Hours a Semester			PERIODS	RE.
	Lect.	Lab.	Lect.	Lab.	Total		
Pathology 1	3	8	54	144	198	A. Lab., M. W. 2, F. 3 B. Lab., T. Th. 2, F. 10 Lect., M. T. Th. 10	6
Physiology 3	5	6	90	108	198	A. Lab., T. Th. 2-6:00 B. Lab., M. W. 2-5:00 Lect., M. T. W. Th. F. 9	7
Pharmacology 3	3		54		54	Lect., Rec., T. Th. 11 F 2	5
Hygiene 6	2		36		36	Lect., M. W. 11	2

Senior Year—Second Semester.

Pathology 2	1	5	18	90	108	A. Lab., M. 2, T. 3 B. Lab., W. 2, Th. 3 Lect., M. 9	3
Pharmacology 2		5		90	90	A. Lab., M. 2 B. Lab., W. 2 Rec. A. & B., Th. 10-12	2
Pharmacology 4	3		54		54	Lect., M. T. 10, W. 11	3
Introductory Surgery 1	3		54		54	Lect. T. W. 9, F. 10	3
Applied Anatomy 6	2		36		36	Lect. T. Th. 2	2
Physical Diagnosis 1	2	1	36	36	72	A. Lab., F. 8-10 B. Lab., F. 8-10 Lect., M. F. 11	2
Theoretical Medicine 2	1		36		36	A. Sec., T. 3-5 B. Sec.. Th. 3-5	1
Physiology 4	1	18	18			Lect., T. 11:00	1

Third and Fourth Years.

To be taken at an approved school or college of medicine.

NOTE:—Medical students must take their work in sequence as shown in the schedule. If they fail in a course they may go on in the following year but the course must be taken again at the first opportunity.

COURSES OF INSTRUCTION.

ANATOMY.

Professor S. J. MORRIS, Associate Professor DODDS and Mr. BAILEY.

1. Gross Anatomy. (7 Hrs.) Required of all first-year medical students. Lectures and recitations 72 hours; laboratory 195 hours.

First semester; 2:00-5:00; Professor MORRIS and Mr. BAILEY.

2. Gross Anatomy. (3 Hrs.) Required of all first-year medical students. Continuation of course 1. Lectures 54 hours; laboratory 128 hours.

Second semester; M. F., 2:00-6:00; W., 3:00-6:00; Professor MORRIS and Mr. BAILEY.

3. Neurology. (3 Hrs.) Required of all first-year medical students. Lectures 36 hours; laboratory 72. Prerequisite: Histology.

Second semester; lectures, M. 9:00, F. 10:00; laboratory, sec. A W. F., 8:00-10:00; sec. B. M., 10:00-12:00; W., 11:00-1:00; Professor MORRIS and Mr. BAILEY.

4. Histology. (5 Hrs.) Required of all first-year medical students. Lectures 36 hours; laboratory 144 hours.

First semester; lectures W. 8:00 and 11:00; laboratory, sec. A, T., F., 8:00-12:00; sec. B, M., Th. 8:00-12.00. Associate Professor DODDS and Mr. BAILEY.

5. Embryology. (3 Hrs.) Required of all first year medical students. Prerequisite: Histology. Lectures 36 hours; laboratory 72 hours.

Second semester; lectures T., Th., 2:00; laboratory, sec. A, T., Th. 8:00-10:00; sec. B, T.. Th. 10:00-12:00; Associate Professor DODDS and Mr. BAILEY.

6. Applied Anatomy. (2 Hrs.) Required of all second-year medical students. Lectures 36 hours; laboratory 36 hours. Prerequisite: Anatomy 1 and 2.

Second semester; T., Th., 2:00; Professor MORRIS.

107. Advanced Histology. (2 Hrs.) Open to advanced and graduate students. Laboratory work and study of current literature on the subject.

Hours to be arranged; Associate Professor DODDS.

108. Advanced Embryology. (2 Hrs.) Open to advanced and graduate students.

Hours to be arranged; Associate Professor DODDS.

109. Advanced Anatomy. Open to advanced and graduate students.

Credit and hours to be arranged; Professor MORRIS.

110. Anatomy of the Eye, Ear and Nose. (2 Hrs.) Open to advanced and graduate students.

Hours to be arranged; Professor MORRIS.

PATHOLOGY AND BACTERIOLOGY.

Professor SMITH, Associate Professor SPRAY and Mr. CURRY.

1. General Pathology. (6 Hrs.) Required of second year medical students. Lectures, demonstrations, and laboratory work. Prerequisites: physiological chemistry, histology, physiology, anatomy, and bacteriology. (21).

First semester; lectures (54 hrs.) M., T., Th., 10:00; laboratory (144 hrs.), M., W., F., 2:00-5:00 or T., Th., 2:00-5:00 and F., 10:00. Professor SMITH and Mr. CURRY.

2. Pathology of Infectious Granulomas and Tumors. (3 Hrs.) Required of second year medical students. Continuation of Pathology 21. Lectures, recitations, and laboratory work. Prerequisite: Pathology 1. (22).

Second semester; lectures (18 hrs.) M., 9:00; laboratory (90 hrs.) M., 2:00-5:00 and T., 3:00 or W., 2:00-5:00 and Th., 3:00. Professor SMITH and Mr. CURRY.

3. Laboratory Diagnosis. (2 Hrs.) A laboratory course in blood, gastric contents, etc., and their pathologic and clinical significance. Prerequisite: Bacteriology 6 and Physiological Chemistry 1. Elective. (11).

Second semester; lecture (18 hrs.) F. 3:00; laboratory (36 hrs.), 4:00-6:00; Professors SMITH and BANCROFT.

4. State and Municipal Laboratory Methods. (2 Hrs.) Open to second year students. Prerequisite: Bacteriology 5 or its equivalent. (7).

Hours to be arranged; Professor SMITH.

5. Medical Bacteriology. (5 Hrs.) Required of first year medical students. (3).

Second semester; lectures, (36 hrs.) M. 8:00; F. 11:00; laboratory, (144 hrs.) Sec. A, M., T., Th., 10:00 to 12:00; Sec. B,, T., Th., F., 10:00 to 12:00; Associate Professor SPRAY and Mr. CURRY.

6. Hygiene. (2 Hrs.) Required of second year medical students. (5).

First semester; lectures (36 hrs.) M., W., 11:00; Associate Professor SPRAY.

PHARMACOLOGY.

Professor BONAR, Professor BANCROFT and Mr. HERTZOG.

1. **Chemical Pharmacology.** (1 Hr.) Three hours per week (54 Hrs.) (40).

Second semester; two sections, T. and Th., 3:00; Mr. HERTZOG.

2. **Pharmacodynamics.** (2 Hrs.) For second year medical students. Five hours per week (90 Hrs.) (41).

Second semester; M. and W., 2:00; two sections, Th., 10:00-12:00. Conferences and demonstrations. Professor BONAR, Professor BANCROFT and Mr. HERTZOG.

3. **Systematic Pharmacology.** (3 Hrs.) For second year medical students. Three hours per week (54 Hrs.) (43).

First semester; T. and Th., 11:00 and F., 2:00; Professor BONAR.

4. **Systematic Pharmacology.** (3 Hrs.) Continuation of course 3. Three hours per week (54 Hrs.) (43).

Second semester; M., T., 10:00; W., 11:00; Professor BONAR and Professor BANCROFT.

11. **Bio-Assay.** (Credit according to work done.) Open to properly qualified students. Special pharmacodynamics.

Hours to be arranged; Professor BONAR and Mr. HERTZOG.

12. **Toxicology.** (2 Hrs.) A special course devoted to the study of the methods—chemical and biological—of detecting poisons of medico-legal interest. Prerequisite: Pharmacology 1 and 2. (Total 72 Hrs.) (45).

First semester; T., Th., 9:00-11:00; Professor BONAR and Professor BANCROFT.

13. **Pharmacology Research.** Problems open to specially interested students with proper qualifications. (48).

Hours to be arranged; Professor BONAR.

PHYSIOLOGY.

Professor VAN LIERE, Associate Professor PEARCY and Mr. YOUNG.

1. **Physiology.** (2 Hrs.) Elementary course for pharmacy students.

Second semester; lectures and laboratory. See announcement in Pharmacy bulletin. Professor VAN LIERE and Mr. YOUNG.

2. **Physiology.** (2 Hrs.) Physiology of muscle, nerves, and blood.

Second semester; lectures, W., 2:00; laboratory, Sec. A, T., 3:00-6:00; Sec. B, Th., 3:00-6:00. Professor VAN LIERE and Mr. YOUNG.

3. **Physiology.** (7 Hrs.) Physiology of circulation, respiration, digestion, metabolism, secretion, central nervous system and special senses.

First semester; lectures, M., T., W., Th., F., 9:00-10:00; laboratory, Sec. A, M., W., 2:00-5:00; Sec. B, T., Th., 2:00-5:00; Professor VAN LIERE, Associate Professor PEARCY and Mr. YOUNG.

4. **Physiology.** (1 Hr.) Physiology of internal secretion. (7). Lectures T., 11:00; Associate Professor PEARCY and Professor VAN LIERE.

5. **Physiology.** Pathological physiology.

Hours to be arranged. Not given in 1925-26.

6. **Physiology.** Research in physiology.

Hours and credit to be arranged; Professor VAN LIERE and Associate Professor PEARCY.

7. **Obstetrics.** (2 Hrs.) Introductory course in obstetrics. Elective.

Second semester; lecture 36 hours, W., 11:00; F., 2:00; Professor VAN LIERE.

PHYSIOLOGICAL CHEMISTRY.

Professor BANCROFT and Mr. HERTZOG.

1. **Physiological Chemistry.** (6 Hrs.) (10).

Lectures, 54 hours; laboratory 180 hours; section A, M , F., 8:00-12:00; S., 8:00-10:00; section B, T., F., 8:00-12:00; S., 11:00-1:00; lectures, W., 9:00 and 12:00; S., 10:00. Professor BANCROFT and Mr. HERTZOG.

2. **Advanced Physiological Chemistry.** The separation and purification of various products of biochemical interest. Prerequisite, Course 1.

Professor BANCROFT.

MEDICINE.

Dean SIMPSON, Dr. BRAY and Dr. KESSEL.

1. **Physical Diagnosis.** (2 Hrs.) Required of second year medical students. An introductory course in the study of the taking of medical histories, and the examination of patients. (31)

Second semester; lectures, M., F., 11:00; laboratory, F., 8:00-10:00; section A, Dr. BRAY; section B, Dr. KESSEL.

2. **Theoretical Medicine.** (1 Hr.) Recitations upon the more common diseases with the application of the principles taught in course 1. (32)

Second semester; section A, T, 3:00-5:00; section B, Th., 3:00-5:00; Dean SIMPSON.

INTRODUCTORY SURGERY.

Dr. HARDY.

1. **Surgery and Operative Technique.** (3 Hrs.) Required of second year medical students. Open to graduate students.

Second semester; T., W., F., 9:00; Dr. HARDY, City Hospital.

2. **Operative Surgery.** A course of practical instruction in operative surgery utilizing the lower animals as subjects. Elective.

Second semester; Saturdays, 9:00-12:00; Professor S. J. MORRIS.

The Department of Pharmacy

School of Medicine

THE FACULTY.

FRANK BUTLER TROTTER, A.M,. LL.D., *President*

JOHN NATHAN SIMPSON, M.D., *Dean of The School of Medicine*

GORDON ALGER BERGY, PH.C., M.S., *Professor of Pharmacy*

J. LESTER HAYMAN, PH.C., B.S., *Assistant Professor of Pharmacognosy*

ELMER L. HAMMOND, PH.C., M.S., *Instructor in Pharmacy*

FRIEND EBENEZER CLARK, B.S., PH.D., *Professor of Chemistry*

PERRY DANIEL STRAUSBAUGH, B.S., PH.D., *Professor of Botany*

ROBERT ALLEN ARMSTRONG, A.M., L.H.D., *Professor of English Language and Literature*

JOHN ARNDT EIESLAND, PH.D., *Professor of Mathematics*

GEORGE RUSSELL BANCROFT, PH.D., *Associate Professor of Physiological Chemistry*

ENOCH HOWARD VICKERS, A.M., *Professor of Economics and Sociology*

ROBERT CAMERON COLWELL, PH.D., *Professor of Physics*

EDWARD JERALD VAN LIERE, M.S., M.D., *Professor of Physiology*

ROBERT SPALDING SPRAY, PH.D., *Assistant Professor of Bacteriology*

ESTABLISHMENT OF THE DEPARTMENT.

In response to the request of the West Virginia State Pharmaceutal Association the Board of Regents in 1914 made provision for instruction in pharmacy. A department of pharmacy was established in the School of Medicine and a two-year course in pharmacy leading to the professional degree of Graduate in Pharmacy (Ph.G.) was offered.

In 1917 additional courses of three and four years, leading to the degrees of Pharmaceutal Chemist (Ph.C) and Bachelor of Science in Pharmacy (B.S. Pharmacy) were established. The course leading to the Ph.G. degree was discontinued July 1, 1924. The degree of Pharmaceutical Chemist given for three years of pharmaceutical work is recognized by such State Boards of Pharmacy as require a course in pharmacy preliminary to examination for registration.

REQUIREMENTS FOR THE PRACTICE OF PHARMACY IN WEST VIRGINIA.

In order to be licensed as a pharmacist in West Virginia the candidate must present to the State Board of Pharmacy satisfactory evidence that he has completed the following requirements:

1. The applicant shall be not less than twenty-one years of age and a citizen of the United States.
2. He must present evidence of the completion of fifteen units of secondary school education, i. e., graduation from a standard four-year high school or its equivalent.
3. He must be a graduate from a recognized school of pharmacy holding membership in the American Conference of Pharmaceutical Faculties, with the degree of Graduate in Pharmacy. (The higher degrees of Pharmaceutical Chemist and Bachelor of Science in Pharmacy are accepted in lieu of the degree of Graduate in Pharmacy.)
4. He must present satisfactory evidence that he has had thirty months' experience in pharmacy under the instruction of a licensed pharmacist.
5. He must pass a satisfactory examination by or under the direction of the State Board of Pharmacy.

In order to be licensed as an assistant pharmacist the candidate must present to the State Board of Pharmacy satisfactory evidence that he has completed the following requirements:

1. The applicant shall not be less than eighteen years of age.
2. He must have credit for fifteen units of secondary school work.
3. He shall have not less than twenty-four months' experience in pharmacy under the instruction of a licensed pharmacist, provided however, that in case of a person who has attended a recognized school or college of pharmacy the actual time of attending such school or college of pharmacy may be deducted from the time of experience required, but in no case shall less than six months' store experience be accepted.
4. The applicant must pass a satisfactory examination by or under the direction of the State Board of Pharmacy.

LABORATORIES AND EQUIPMENT.

The Department of Pharmacy has spacious quarters in Woodburn Hall. The equipment for all of the courses offered in the department is complete and of the latest design.

PHARMACEUTICAL LABORATORIES.

The pharmaceutical laboratories are fully equipped for the manufacture of pharmaceutical preparations and for the performance of pharmaceutical, alkaloidal, and toxicological analysis. There are two well-lighted laboratories approximately thirty feet square. All drugs and chemicals required in the manufacture of pharmaceutical preparations are preserved in glass containers labeled according to the nomenclature of the Pharmacopeia and National Formulary, and conveniently located on shelves accessible to all students in the laboratory. One laboratory is especially fitted for instruction in manufacturing pharmacy. It is equipped with a multi-speed centrifuge, with interchangeable heads and trunnion carriers and a bronze basket and copper drip can for drying crystalline salts, a power driven force feed ointment mill, for the preparation of heavy ointments, paints, tooth pastes and other similar preparations, a pony mixer for the preparation of pastes and creams, a pill mass mixer, a kneading machine, a compressed tablet machine with full set of dies, pill and tablet coating machine, with polishing pan, a drug mill, a ball mill, a rapid sifter with complete set of sieves for the preparation of conspergents and insufflations, and a beater and emulsifying machine for the preparation of lotions, liniments and emulsions of all types. There is a hand-operated piping and troche machine, pressure suppository machine, tablet triturate and hypodermic tablet machine and plates, gelatine coating apparatus, a laboratory drug mill, electric drying oven, and konseal and capsule filling machines.

A prescription laboratory is operated in conjunction with the Dispensary of the University Health Service. Each student is supplied with a full set of pharmaceutical apparatus and glassware necessary for the compounding of prescriptions. Torsion balances, encased in glass are a part of this regular equipment.

THE MUSEUM OF PHARMACOGNOSY.

The pharmacognosy collection consists of approximately four hundred medicinal plants secured from all parts of the world for instruction in materia medica. For instructional purposes several large collections have been arranged. These are (a) a large display collection, (b) a labeled collection for student study, (c) an unlabeled collection for identification, (d) a collection of powdered drugs

for the purpose of histological study. The museum is provided with floor cases, tables, charts, maps, photographs and compound microscopes.

LABORATORY OF MEDICAL BACTERIOLOGY.

The bacteriological laboratory is equipped with all necessary apparatus, such as sterilizers, incubators, glassware, etc. Each student has the use of a microscope with oil immersion lens. Special apparatus for bacteriological examination of air, water, milk, and blood is supplied to each student. Material for laboratory work in bacteriological diagnosis, such as Widal tests for typhoid, examination of sputum for tubercle bacilli, bacteriological examination of water, etc., is available.

PHARMACOLOGICAL LABORATORY.

The pharmacological laboratory is equipped with chemical desks, operating tables, and electrical kymograph and respiration apparatus for taking continuous records of respiration and blood pressure. In addition, a special animal house for the proper care of experimental material is provided. Aside from the general equipment of the laboratory, each group of two students is provided with individual sets of apparatus and reagents. The laboratory is also provided with a collection of crude drugs, alkaloids, glucosides, and analytical chemicals.

PHYSIOLOGY LABORATORIES.

The laboratories devoted to physiology on the first floor of the medical building are supplied with tables each accommodating two students. Each table is equipped with a complete set of general physiological apparatus which is lent to the students with a charge for breakage. Special apparatus is supplied from the storeroom to individual groups as needed. Sufficient equipment is provided to enable the students to perform all the experiments listed in standard laboratory manuals and for the demonstration by instructors of experiments which cannot be conveniently performed by the student.

Private rooms and equipment for research are provided for members of the department.

PHYSIOLOGICAL CHEMISTRY LABORATORIES.

The physiological chemistry laboratories are situated upon the second floor of the medical building and consist of a students' laboratory, containing the usual equipment of desks, hood, etc., the departmental office with reference library and a research laboratory beyond this. An individual research room is provided for the assistant in the department. A dark-room is available for work requiring its use, as in polariscope work, etc.

OTHER LABORATORIES.

The laboratories of the departments of botany, chemistry, and physics in the College of Arts and Sciences are also open to students in the department of pharmacy.

LIBRARY AND READING ROOM.

The medical library consists of over 3200 bound volumes and many unbound journals and reprints. There is a good collection of works on chemistry, anatomy, physiology, pharmacy, zoology, botany, pathology, bacteriology, pharmacology, medicine, and surgery. There are bound volumes of the leading scientific journals as well as some of the leading German, French and American Journals devoted to the laboratory side of medicine. The general library is in close proximity to the medical laboratories and is open all day and till ten o'clock at night.

DISPENSARY AND MEDICAL SERVICE.

All students in the University pay a medical fee of $2.50 each per semester, in return for which they receive drug service from the department of pharmacy and medical attention including minor surgery (specialties excepted) from Student Health Service.

A clinic for out patients is conducted by the physicians of the medical faculty. This service is rendered free to the poor of the immediate vicinity. The prescriptions are compounded at the dispensary of the Health Service Pharmacy by advanced students of the department of pharmacy under the supervision of a registered pharmacist.

PHARMACEUTAL ASSOCIATIONS.

The West Virginia Branch of the American Pharmaceutical Association.

The headquarters of the West Virginia Branch of the American Pharmaceutical Association are at Morgantown. This branch of the national organization is composed of the representative pharmacists of West Virginia. Students of pharmacy are eligible to membership in the branch and are privileged to attend the lectures and meetings without becoming members. Address communications to A. B. Berry, Secretary, Morgantown, W. Va.

The West Virginia State Pharmaceutical Association.

Students of pharmacy are eligible to membership in this organization, which has for its object the improvement of the science and art of pharmacy, the inculcation of the professional spirit and the restriction of the practice of pharmacy to persons properly qualified by education and experience to exercise their art with safety to the public. Address communications to Roy B. Cook, Charleston, W. Va.

American Conference of Pharmaceutical Faculties.

The Department of Pharmacy holds membership in the American Conference of Pharmaceutical Faculties. The object of the Conference is to promote the interests of the pharmaceutical education and all institutions holding membership in the same must maintain certain minimum requirements for entrance and graduation. Through the influence of this conference higher standards of education have been adopted from time to time and the fact that several states by law or by Board ruling recognize the standards of the Conference is evidence of this influence.

Pharmacists' Register.

A pharmacists' register for the benefit of both the employer and employee has been established by the Department of Pharmacy. No charge is made for services rendered.

Tuition and Fees.

All students in the courses in pharmacy who are residents of West Virginia must pay a tuition fee of $25.00 a semester. Non-resident students must pay $100.00 a semester. In addition to the tuition fee each student must pay each semester: Contingent fee, $12.50; Student activity fee, $5.00; Medical fee, $2.50. A diploma fee of $10.00 is payable by each student at the beginning of the semester in which he expects to graduate.

Regulations Concerning Absences.

A student who has seven or more unexcused absences in any semester is suspended from the University unless restored to good standing by action of the dean of his college. If his absences in any one course exceed 12% of the total number of recitations in that course he is barred from the final examination in that course unless especial permission is obtained.

ADMISSION TO THE SCHOOL OF PHARMACY.

SECONDARY SCHOOL CREDITS.

For admission to the course in pharmacy the student must have credit for fifteen units of secondary school work, i. e., the work of a standard four-year high school.

The following groups are required:

(1) Three of four units of English.[1]
(2) Three units in one other subject.
(3) Two units in a third subject.
(4) Two units in a fourth subject.
(5) Four units elective.

B. In addition to the units of English the work indicated in (A) must include: **Two units of Latin,** one unit of history, one unit of algebra and one unit of plane geometry.

C. Chemistry and physics are highly recommended for those entering pharmacy.

D. Work in the following subjects not to exceed the number of units placed after each subject will be accepted:

English	4 units	Science[3]	
		Physics	1 unit
Foreign languages[2]		Chemistry	1 unit
Latin	4 units	Biology	1 unit
Greek	3 units	Botany	1 unit
French	3 units	Geology	1 unit
German	3 units	Zoology	1 unit
Spanish	2 units	General science	1 unit
Italian	2 units	Physical geography	½ unit
		Physiology	½ unit
Mathematics		Hygiene and sanitation	½ unit
Algebra	1½ unit		
Plane geometry	1 unit	Vocational subjects (not to exceed four units in all).	
Solid geometry	½ unit	Agriculture	3 units
Trigonometry	½ unit	Household arts	3 units
		Manual training	3 units
History and economics		Bookkeeping or bookkeeping and commercial arithmetic	2 units
History	3 units		
Civics	1 unit	Shorthand and typewriting	2 units
Elementary economics	1 unit	Commercial geography	½ unit
Sociology	1 unit	Commercial law	½ unit
Education	2 units		
Drawing		Music:—Violin, organ or piano[4]	2 units
Free-hand drawing	1 unit		
Mechanical drawing	1 unit		

[1] A student who offers only three units in English must elect six hours of college work in that subject in addition to the minumum number of hours of English required for his degree.

[2] Not less than two units of one foreign language will be accepted for entrance unless additional college work is taken in that language.

[3] Groups of 2 or 3 units for entrance may be made by combining any 2 or 3 units of biology, botany, chemistry, geology, physics and zoology.

[4] For conditions governing entrance credit in music see announcements of the School of Music.

THREE-YEAR COURSE.

For the completion of the three-year course the degree of Pharmaceutical Chemist (Ph.C.) is awarded. The course is designed particularly for those who desire to enter the commercial field of pharmacy, or for those pharmacists who wish to strengthen their professional relations by the practice of urinary, bacteriological and toxicological analysis for the physician.

CURRICULUM FOR THE THREE-YEAR COURSE.

Professional Degree of Pharmaceutical Chemist (Ph.C.).

First Year—First Semester.

English 1	9:00 M. W. F.	3	
English 3	9:00 T. Th.	2	
Pharmacy 1	8:00 T. Th.	2	
Pharmacy 2	8:00 M. W. F.	3	
Pharmacy 3	2:00-5:00 T. Th.	2	
Pharmacy 12	10:00 T. Th.	2	
Chemistry 1	11:00 M. W. F. 2:00-4:00 M. F.	4	18

First Year—Second Semester.

English 2	8:00 M. W. F.	3	
English 4	8:00 T. Th.	2	
Chemistry 2	11:00 M. W. F. 2:00-4:00 M. F.	4	
Botany 6	10:00 M. F. 9:00-12:00 T. Th.	4	
Pharmacy 4	9:00 M. F.	2	
Pharmacy 5	2:00-5:00 T. Th. 9:00-12:00 S.	3	18

Second Year—First Semester.

Pharmacy 6	2:00 M. W. F.	3	
Pharmacy 7	2:00-5:00 T. Th.	2	
Pharmacy 14	3:00-5:00 M. W. F.	2	
Chemistry 37	9:00-12:00 M. T. W. Th. F.	5	
French, German or Elective	8:00 M. T. W. Th. F.	5	17

Second Year—Second Semester.

Pharmacy 15	8:00 M. T. W. Th. F.	5	
Chemistry 36	11:00 M. W. F. 2:00-5:00 T. Th.	5	
Physiology 1	10:00 M. W. F. 2:00-5:00 W.	4	
French, German or Elective	9:00 M. T. W. Th. F.	5	19

Third Year—First Semester.

Pharmacy 8	11:00 M. W. F.	3	
Pharmacy 9	10:00 T. 2:00-5:00 M. W. F.	4	
Pharmacy 11	9:00-12:00 S.	1	
Pharmacy 13	10:00 M. W. F.	3	
Chemistry 51	9:00 M. W. F.	3	
Hygiene & Sanitation 9	8:00T. Th.	2	
Elective		2	18

Third Year—Second Semester.

Pharmacy 10	10:00 M. F. 2:00-5:00 T. W.	4	
Pharmacy 16	11:00 W. 2:00-5:00 M. F.	3	
Pharmacy 19	10:00 T. Th. S.	2	
Pharmacology 20	11:00 M. T. W. Th. F.	5	
Bacteriology 5	8:00-10:00 M. T. W. Th. F.	5	19

FOUR-YEAR COURSE.

The four-year course is a combined academic and professional course including one hundred and forty-four semester hours of work as shown in the following curriculum.

Professional Degree of Bachelor of Science in Pharmacy (B.Sc.Phar.)

First Year—First Semester.

English 1	10:00 M. W. F.	3	
English 3	9:00 T. Th.	2	
Mathematics 3	11:00 M. W. F.	3	
Chemistry 1	9:00 M. W. F. 2:00-4:00 M. F.	4	
Physics 1	8:00 M. W. F.	3	
Physics 3	Hours arranged	1	
Pharmacy 12	10:00 T. Th.	2	18

First Year—Second Semester.

English 2	9:00 M. W. F.	3	
English 4	8:00 T. Th.	2	
Mathematics 4	11:00 T. Th.	2	
Chemistry 2	11:00 M. W. F. 2:00-4:00 M. F.	4	
Physics 2	8:00 M. W. F.	3	
Physics 4	Hours arranged	1	
Elective		3	18

Second Year—First Semester.

Pharmacy 1	8:00 T. Th.	2	
Pharmacy 2	8:00 M. W. F.	3	
Pharmacy 3	2:00-5:00 T. Th.	2	
Chemistry 5	2:00-5:00 M. W. F.	4	
Economics 1	0:00 M. W. F.	3	
Elective		3	17

Second Year—Second Semester.

Pharmacy 4	9:00 M. F.	2	
Pharmacy 5	2:00 5:00 T. Th. 9:00-12:00 S.	3	
Botany 6	10:00 M. F. 9:00-12:00 T. Th.	4	
Chemistry 6	2:00 5:00 M. W. F. 9:00-12:00 W.	5	
Economics 2	8:00 M. W. F.	3	17

Third Year—First Semester.

Pharmacy 6	2:00 M. W. F.	3	
Pharmacy 7	2:00-5:00 T. Th.	2	
Pharmacy 14	3:00-5:00 M. W. F.	2	
French or German	9:00 M. T. W. Th. F.	5	
Hygiene & Sanitation 9	8:00 T. Th.	2	
Elective		4	18

Third Year—Second Semester.

Pharmacy 15	8:00 M. T. W. Th. F.	5	
Chemistry 36	11:00 M. W. F. 2:00-5:00 T. Th.	5	
Physiology 1	10:00 M. W. F. 2:00-5:00 W.	4	
French or German	9:00 M. T. W. Th. F.	5	19

Fourth Year—First Semester.

Pharmacy 8	11:00 M. W. F.	3	
Pharmacy 9	10:00 T. 2:00-5:00 M. W. F.	4	
Pharmacy 11	9:00-12:00 S.	1	
Pharmacy 13	10:00 M. W. F.	3	
Chemistry 51	9:00 M. W. F.	3	
Chemistry 63	11:00 T. Th.	2	
Elective		2	18

Fourth Year—Second Semester.

Pharmacy 10	10:00 M. F. 2:00-5:00 T. W.	4	
Pharmacy 16	11:00 W. 2:00-5:00 M. F.	3	
Pharmacy 19	10:00 T. Th. S.	2	
Pharmacology 20	11:00 M. T. W. Th. F.	5	
Bacteriology 5	8:00-10:00 M. T. W. Th. F.	5	19

NOTE: All electives must be approved by the class officer before election.

Approved courses:

Bacteriology 4, Advanced Course. 3 Hrs.
Bacteriology 7, State and Municipal Laboratory Methods. 2 Hrs.
Bacteriology 8, Immunity and Serum Therapy. 2 Hrs.
Bacteriology 11, Laboratory Diagnosis. 2 Hrs.
Chemistry 7, Quantitative Analysis. 4 Hrs.
Chemistry 8, Quantitative Analysis. 5 Hrs.
Chemistry 11, Synthetic Inorganic Chemistry. 3 Hrs.
Chemistry 14, Organic Qualitative Analysis. 2 Hrs.
Chemistry 16, Organic Quantitative Analysis. 2 Hrs.
Chemistry 30, Dyes and Dye Intermediates. 2 to 4 Hrs.
Chemistry 50, Industrial Chemistry. 3 to 4 Hrs.
Chemistry 62, Chemistry of Colloids. 2 Hrs.
Chemistry 74, History of Chemistry. 2 Hrs.
Chem. Eng. 180, Benzene Derivatives. 2 Hrs.
Chem. Eng. 181, Chem. Engineering & Manufactures. 2 Hrs.
Chem. Eng. 182, Industrial Chemical Laboratory. 2 Hrs.
Chem. Eng. 187, Water Examination and Purification. 2 Hrs.
Chem. Eng. 192, Biochemical Industries. 3 Hrs.
Economics 40, Marketing Methods. 3 Hrs.
Economics 41, Marketing Problems. 3 Hrs.
Economics 13, Business Organization. 2 Hrs.
Economics 25, Advertising. 3 Hrs.
Economics 26, Retail Store Management. 2 Hrs.

Economics 41, Business Law. 3 Hrs.
Economics 42, Business Law. 3 Hrs.
French 1, 5 Hrs. (When not offered for entrance credit).
French 2, 5 Hrs. (When not offered for entrance credit).
German 1, 5 Hrs. (When not offered for entrance credit).
German 2, 5 Hrs. (When not offered for entrance credit).
German 21, Scientific German. 2 Hrs.
German 22, Scientific German. 2 Hrs.
Journalism 6, Advertising Writing. 2 Hrs.
Physiological Chemistry 10. 5 Hrs.
Pharmacy 17, Food & Drug Analysis. 2-5 Hrs.
Pharmacy 18, Food & Drug Analysis. 2-5 Hrs.
Philosophy 6, Logic. 3 Hrs.
Political Science 5. 3 Hrs.
Psychology 1, 3 Hrs.
Psychology 10, Applied, Advertising & Salesmanship. 2 Hrs.
Zoology 1, Animal Biology. 4 Hrs.
Zoology 2, Vertebrate Zoology. 4 Hrs.
Zoology 7, Vertebrate Embryology. 3 Hrs.
Zoology 31, Comparative Anatomy, Histology, and Embryology. 3-5 Hrs.
Zoology 16, Economic Zoology. 2 Hrs.

COURSES IN DEPARTMENT OF PHARMACY.

PHARMACY.

Professor BERGY, Assistant Professor HAYMAN and Mr. HAMMOND.

1. Theoretical Pharmacy. (2 Hrs.) Lectures and recitations. (36 Hrs.)

First semester; T., Th., 8:00; Mr. HAMMOND.

2. Pharmaceutical Arithmetic and Stoichiometry. (3 Hrs.) Lectures and recitations. (54 hrs.).

First semester; M. W., F., 8:00; Mr. HAMMOND.

3. Physics of Pharmacy. (2 Hrs.) A laboratory course designed to accompany courses 1 and 2 in pharmacy. Laboratory and quizzes. (100 Hrs.)

First semester; T., Th., 2:00-5:00; Mr. HAMMOND.

4. Operative Pharmacy Lectures. (2 Hrs.) Lectures and recitations. Prerequisite: Pharmacy 1, 2 and 3. (36 Hrs.)

Second semester; M., F., 9:00; Mr. HAMMOND.

5. Operative Pharmacy Laboratory. (3 Hrs.) This course is carried on in conjunction with Pharmacy 4. Laboratory (150 Hrs.)

Second semester; T., Th., 2:00-5:00; S., 9:00-12:00; Professor BERGY and Mr. HAMMOND.

6. Manufacturing Pharmacy Lectures. (3 Hrs.) Lectures and recitations. (54 Hrs.) Prerequisite: Pharmacy 4 and 5.

First semester; M., W., F., 2:00; Professor BERGY.

7. Manufacturing Pharmacy Laboratory. (2 Hrs.) Laboratory (100 Hrs.)

Prerequisite: Pharmacy 4 and 5.

First semester; T., Th., 2:00-5:00; Professor BERGY.

8. Prescriptions and Incompatibilities. (3 Hrs.) Lectures and recitations (54 Hrs.) Prerequisite: Pharmacy 1, 2, 3, 4, 5, 6 and 7.

First semester; M., W., F., 11:00; Assistant Professor HAYMAN.

9. Assay and Pharmaceutical Testing. (3 to 5 Hrs.) Lectures (18 Hrs.) Laboratory (100-200 Hrs.) Prerequisite: Chemistry 5, 6 and 9.

First semester; T., 10:00; T., Th., 2:00-5:00; S., 9:00-12:00; Professor BERGY.

10. Commercial Pharmacy. (4 Hrs.) Lectures and recitations. (36 Hrs.) Laboratory (100 Hrs.)

Second semester; M., F., 10:00; T., W., 2:00-5:00; Assistant Professor HAYMAN and Mr. HAMMOND.

11. Prescription Practice. (1 Hr.) Laboratory (50 Hrs.) Prerequisite: Pharmacy 4, 5, 6, 7 and 8.

First semester; S., 9:00-12:00; Assistant Professor HAYMAN.

12. Pharmaceutical Latin. (2 Hrs.) Lectures and recitations. (36 Hrs.)

First semester; T., Th., 10:00; Assistant Professor HAYMAN.

13. Pharmaceutical Chemistry. (3 Hrs.) Lectures and recitations. (54 Hrs.)

First semester; M., W., F., 10:00; Professor BERGY.

14. Microscopy. (2 Hrs.) Laboratory (100 Hrs.)

First semester; M., W., F., 3:00-5:00; Assistant Professor HAYMAN.

15. Pharmacognosy. (5 Hrs.) Lectures and recitations. (90 Hrs.)

Second semester; M. T., W., Th., F., 8:00; Assistant Professor HAYMAN.

16. Organic Analysis. (3 Hrs.) Lectures (18 Hrs.) Laboratory (100 Hrs.)

Second Semester; W., 11:00; M., F., 2:00-5:00; Assistant Professor HAYMAN.

17. Food and Drug Analysis. (2 to 5 Hrs.) A graded course of lectures and laboratory work with collateral reading. Prerequisites: Chemistry 1, 2, 18, 9. Laboratory (100-250 Hrs.)

First semester; M., T., W., Th., F., 2:00-5:00; Professor BERGY and Assistant Professor HAYMAN.

18. Food and Drug Analysis. (2 to 5 Hrs.) A continuation of Pharmacy 17. Laboratory (100-250 Hrs.)

Second semester; M., T., W., Th., 2:00-5:00; Professor BERGY and Assistant Professor HAYMAN.

19. U. S. P. and N. F. (2 Hrs.) Recitations (54 Hrs.)

Second semester T., Th., S., 10:00; Assistant Professor HAYMAN.

20 Pharmacology. (5 Hrs.) Required of all students in pharmacy. Lectures and recitations (72 Hrs.)

Second semester; M., T., W., F., 11:00; Professor BERGY.

Required of all students in pharmacy. Laboratory (35 Hrs.)

CHEMISTRY.

Professor CLARK and Staff.

1. Inorganic Chemistry. (4 Hrs.) Experimental lectures, recitations and laboratory work. Lecture 54 Hrs. Laboratory 70 Hrs.

First semester; M., W., F., 9:00 and 11:00; laboratory, M., F., 2:00-4:00.

2. Inorganic Chemistry. (4 Hrs.) Continuation of Chemistry 1. Experimental lectures, recitations and laboratory work. Lectures and recitations 54 Hrs. Laboratory 70 Hrs.

Second semester; M., W., F., 11:00; laboratory, M., F., 2:00-4:00.

37. Qualitative and Quantitative Analysis. (5 Hrs.) A course for students preparing for pharmacy. Lectures and recitations 15 Hrs. Laboratory 240 Hrs.

First semester; daily 9:00-12:00; Associate Professor HILL.

5. Qualitative Analysis. (4 Hrs.) Laboratory 150 Hrs.

First semester; M., W., F., 2:00-5:00; Professor CLARK.

6. Quantitative Analysis. (5 Hrs.) Laboratory 200 Hrs.

Second semester; laboratory, M., W., F., 2:00-5:00; and 9:00-12:00, W.; Professor CLARK.

36. Organic Chemistry. (6 Hrs.) Lectures 50 Hrs. Laboratory 100 Hrs.

Second semester; M., W., F., 11:00; W., 11:00; 2:00-5:00; T., Th.,; Professor CLARK.

Note.—Hours arranged for pharmacy students.

51.† Industrial Chemistry. (3 Hrs.) Open to major and graduate students and to students in chemical engineering, and pharmacy.

First semester; M., W., F., 9:00; Professor CLARK.

52.† Industrial Chemistry. (3 Hrs.) Open to major and graduate students and to students in chemical engineering and pharmacy.

First semester; M., W., F., 9:00; Professor CLARK.

60. Physical Chemistry. (5 Hrs.) Required of major students. For graduate students and chemical engineering students also. Three lectures and two three-hour laboratory periods weekly. Lectures 54 Hrs. Laboratory 100 Hrs.

Second semester; M., W., F., 9:00; T., Th., 2:00.

Note.—A breakage deposit is required of all students taking laboratory courses.

PHYSIOLOGY.

1. **Physiology.** (4 Hrs.) Lectures 54 Hrs. Laboratory 50 Hrs. Second semester; M., W., F., 10:00; laboratory, W., 2:00 to 5:00.

PHYSIOLOGICAL CHEMISTRY.

1. **Physiological Chemistry.** Prerequisites: Organic chemistry and quantitative analysis. Lectures and recitations 36 Hrs. Laboratory 144 Hrs.

First semester; section A, laboratory, M., Th., 8:00-12:00, S., 8:00-10:00; section B, laboratory, T., F., 8:00-12:00, S., 11:00-1:00; Lectures both sections W., 11:00-1:00; S., 10:00-11:00.

BACTERIOLOGY.

5. **Medical Bacteriology.** (5 Hrs.) Required of third-year medical students.

Second semester; lectures, (36 Hrs.) M., 8:00; F., 11:00; laboratory, (144 Hrs.) M., T., W., Th., F., 8:00 to 10:00 or 10:00 to 12:00; Associate Professor SPRAY.

4. **State and Municipal Laboratory Methods.** (2 Hrs.) Open to fourth year students. Prerequisite: Bacteriology 3 or its equivalent. Hours to be arranged; Professor SMITH.

6. **Hygiene and Sanitation.** (2 Hrs.) Not open to freshmen. Lectures and recitations (36 hours.)

First semester; T., Th., 8:00; Dr. SPRAY.

3. **Laboratory Diagnosis.** (2 Hrs.) Laboratory 100 Hrs. Second semester; hours to be arranged; Dr. SPRAY.

BOTANY.

Professor STRAUSBAUGH.

6. **Pharmaceutical Botany.** (4 Hrs.) Two lecture periods and two three-hour laboratory periods each week. Lectures and recitation 36 Hrs. Laboratory 100 Hrs.

Second semester; M., F., 10:00; T., Th., 9:00-12:00.

The School of Music

STAFF OF INSTRUCTION.

FRANK BUTLER TROTTER, A.M., LL.D., *President of the University*

LOUIS BLACK, *Director and Head of the Vocal Department*

FLORA RAY HAYES, A.B., *Instructor in Theory and History of Music*

LYDIA IRENE HINKEL, Mus.B., *Head of Public School Music Department*

ETHEL BORDEN BLACK, *Head of Piano Department*

GRACE MARTIN SNEE, B.M., *Instructor in Piano and Pipe Organ*

SUSAN MAXWELL MOORE, A.B., *Instructor in Piano*

MARGARET BUTMAN, *Instructor in Piano. Piano Normal Department*

FRANK DELLI-GATTI, *Head of Violin and Ensemble Departments*

LUCY BELTZHOOVER DILLE, *Assistant in Voice*

CHARLES STUMP, *Assistant in Public School Music*

BUILDING AND EQUIPMENT.

The school is located in a separate building containing five studios and class rooms, and eight practice rooms.

The equipment consists of thirteen upright and eight grand pianos, and a three manual tubular pneumatic pipe organ located in Commencement Hall.

CONCERTS AND RECITALS.

STUDENT CONCERTS.

A students' concert is given each week. These concerts vary in grade from elementary to graduate and post-graduate recitals. The object is to afford opportunity for the students to apply in public the proficiency that has been developed in the studio.

THE UNIVERSITY CHOIR.

This organization has been in existence for fifteen years under the present director. It is open to all students who can sing a part. Its principal function is to sing in the devotional exercises at Convocation each Wednesday. This gives the members a practical church choir experience.

During the year the choir appears in secular concerts and in special musical convocations.

GENERAL ANNOUNCEMENTS.

Students may enter the School of Music at any time, but it is greatly to their interest to enter, as far as possible, at the beginning of the semester.

Students entering within the first two weeks of a semester will be charged for the full semester; after that time, for the remainder of the semester and one week additional.

There is no deduction made for lessons missed by students except in case of prolonged illness, when the loss is divided equally between the student and the school.

Students of the School of Music are not allowed to take part in public programs or to join musical organizations without the consent of their respective teachers and the director of the school.

All music students are expected to attend the regular students' recitals, and to take part in them whenever so assigned, and to attend all concerts given under auspices of the University. They are expected to identify themselves with the various organizations of the school, and are required to enter any to which they are assigned by the director.

It is expected that all students will take sufficient work—literary or musical or both—to occupy their entire time.

CREDIT FOR MUSIC ON COLLEGE COURSES.

Credit towards the degree of Bachelor of Arts will be given for courses in music, not to exceed fifteen semester hours in all.

COURSES OF STUDY.

The School of Music offers instruction in the following courses: theory, public school music, voice, piano, violin, organ. In voice, piano, organ, and violin two courses are offered, one leading to a teachers' certificate, and one leading to an artist's diploma. The course in public school music leads to a supervisor's certificate, which exempts the holder from the State Board examination and to the degree of Bachelor of Music.

REQUIREMENTS FOR ADMISSION.

No student can register for any course in music for credit toward any degree (A.B. or B.M.) without passing an examination in solfeggio, or demonstrating to the satisfaction of the head of the department the ability to read music of moderate difficulty, and giving evidence of the mastery of the elements of music.

Students desiring to enter the course leading to the teacher's certificate in Public School Music must have credit for fifteen units of secondary school work, that is, the work of a standard four year high school with the same groups as are required for entrance to the College of Arts and Sciences. In addition to the fifteen units students must also have a fairly quick sense of rhythm and tune, an acceptable singing voice, and the ability to read at sight vocal music of moderate difficulty. They must also have completed two years of piano study equivalent to course 22 (see page....).

Candidates for the degree of Bachelor of Music must meet the same admission requirements as candidates for the teacher's certificate.

REQUIREMENTS FOR GRADUATION.

GENERAL REQUIREMENTS.

Candidates for a teacher's certificate in piano, voice, organ, or violin, must present a high school diploma or equivalent credits. They must complete courses 75, 76, 79, 80 and 101 to 112 inclusive, English 1, 2, 3, and 4, 4 hours Public Speaking, and show satisfactory proficiency in ensemble work.

Candidates for an artist's diploma must meet all the requirements imposed for the teacher's certificate and appear satisfactorily in a graduating recital.

VOICE.

Candidates for the teacher's certificate in voice, in addition to the above general requirements, must satisfactorily complete the four-year course in voice as outlined below, and must possess the ability to perform acceptably selections from the standard oratorios and operas. They must also complete 30 hours of the modern languages—French, German and Italian, 8 hours of piano, and courses 73 and 74.

Candidates for the artist's diploma in voice must satisfy all the requirements for the teacher's certificates, and give a graduating recital.

PIANO.

Candidates for the teacher's certificate in piano, in addition to the general requirements, must satisfactorily complete the course outlined below for the elementary, intermediate and advanced grades. They must also complete the courses in ensemble playing and piano teaching.

Candidates for the artist's diploma in piano must satisfy all the requirements for the teacher's certificate and must complete the work in piano outlined below for the advanced grade. A graduating recital must be given.

VIOLIN.

Candidates for the teacher's certificate in violin must satisfactorily complete the three-year course in violin music as outlined below, including the concertos of Viotti, Rode and Kreutzer, and the lighter works of some modern composer. They must also have some knowledge of piano playing.

Candidates for the artist's diploma must give a graduating recital program including one sonata or concerto, one trio or quartet, and solos.

PIPE ORGAN.

Candidates for teacher's certificate in organ, must satisfy all theoretical requirements for piano and the course in organ as outlined below.

Candidates for artist's diploma must give a public recital, the program to include selections from the larger works of Bach, Mendelssohn, Guilmant, or Rheinberger Sonatas, and a group of more modern works.

NOTE—Students desiring to become candidates for certificates or diplomas should note that while the above mentioned courses are referred to as three-year and four-year courses no definite period of time can be assigned for their completion. In all cases certificates and diplomas are awarded on the basis of the proficiency acquired, rather than on the length of time devoted to the course.

PUBLIC SCHOOL MUSIC.

There are two curricula offered in Public School Music:

1. A three-year curriculum leading to the teacher's certificate in Public School Music.

2. A four-year curriculum leading to the degree of Bachelor of Music.

Both the certificate and the degree exempt the holder from examination by the State Board.

Curriculum Leading to Certificate in Public School Music.

First Year.

First Semester.		Second Semester.	
Modern Language	5 hours	Modern Language	5 hours
English 1	3 "	English 2	3 "
Sight Singing 73	3 "	Sight Singing 74	3 "
Ear Training 75	3 "	Ear Training 76	3 "
Piano	1 "	Piano	1 "
Voice	1 "	Voice	1 "
Choir	1 "	Choir	1 "
Total	17 "	Total	17 "

Second Year.

First Semester.		Second Semester.	
Modern Language	5 hours	Modern Language	5 hours
Music Education 81	1 "	Music Education 81	1 "
Appreciation 77	2 "	Appreciation 78	2 "
Harmony 101	3 "	Harmony 102	3 "
History of Music	4 "	History of Music	2 "
Orchestra 91	1 "	Orchestra 92	1 "
Piano	1 "	Piano	1 "
Voice	1 "	Voice	1 "
Total	18 "	Total	16 "

Third Year.

First Semester.		Second Semester.	
Music Education 84	1 hours	Music Education 83	4 hours
Music Education 82	4 "	Appreciation 80	3 "
Appreciation 79	3 hours	Harmony 103	2 "
Orchestra 93	1 hours	Orchestra 94	2 "
Practice Teaching	1 "	Practice Teaching 90	1 "
Piano	1 "	Piano	1 "
Voice	1 "	Voice	1 "
Elective	6 "	Electives	2 "
Total	17 "	Total	17 "

NOTE—At least one year of practice teaching and one year of practice supervision are required in the course leading to a certificate in Public School Music. Observation and practice teaching are conducted in the Morgantown city schools through the courtesy and cooperation of the local Board and Superintendent. The work is done under the personal supervision of the head of the Department of Public School Music. Credit is not granted for this work until the student has satisfied the head of the department as to his skill in teaching.

Curriculum Leading to the Degree of Bachelor of Music.

Candidates for the degree of Bachelor of Music must offer one hundred and thirty-six hours' credit for courses as stated forth below. No student is permitted to register for less than fourteen or more than seventeen hours' work in any one semester.

Freshman Year.

First Semester.		Second Semester.	
Modern Language	5 hours	Modern Language	5 hours
Sight Singing 73	3 "	Sight Singing 74	3 "
Ear Training 75	3 "	Ear Training 76	3 "
English 1	3 "	English 2	3 "
Piano (Grade 3)	1 "	Piano (Grade 3)	1 "
Voice (1 year)	1 "	Voice (1 year)	1 "
Electives	1 "	Electives	1 "
Total	17 "	Total	17 "

Sophomore Year.

First Semester.		Second Semester.	
Modern Language	5 hours	Modern Language	5 hours
Appreciation 77	2 "	Appreciation 78	2 "
History of Music	3 "	History of Music	3 "
Harmony 101	3 "	Harmony 102	3 "
Orchestra 92	1 "	Orchestra 93	1 "
Piano (Grade 4)	1 "	Piano (Grade 4)	1 "
Voice (2 year)	1 "	Voice (2 year)	1 "
Electives	1 "	Electives	1 "
Total	17 "	Total	17 "

Junior Year.

First Semester.		Second Semester.	
English 3	2 hours	English 4	2 hours
Music Education 82	4 "	Music Education 81	2 "
Appreciation 79	3 "	Music Education 83	4 "
Harmony 103	2 "	Appreciation 80	3 "
Orchestra 94	1 "	Orchestra 95	1 "
Ensemble 113	1 "	Ensemble 114	1 "
Practice Teaching 90	1 "	Practice Teaching 90	1 "
Piano (Grade 5)	1 "	Piano (Grade 5)	1 "
Voice (Course 5)	1 "	Voice (Course 5)	1 "
Electives	2 "		
Total	18 hours	Total	16 hours

Senior Year.

First Semester.			Second Semester.		
Education	3	hours	Education	3	hours
Physics 1 and 3	4	"	Public Speaking	3	"
Public Speaking	3	"	Music Education 85	1	"
Music Education 84	1	"	Music Education 87	1	"
Music Education 86	1	"	Music Education 89	1	"
Music Education 88	1	"	Orchestra 97	1	"
Orchestra 96	1	"	Practice Supervision 91	1	"
Practice Supervision 91	1	"	Piano (Grade 6)	1	"
Piano (Grade 6)	1	"	Voice (Course 6)	1	"
Voice (Course 6)	1	"	Chorus	1	"
Chorus	1	"	Electives	2	"
	18	"		16	"

NOTE—The courses in English, education, modern languages, public speaking and physics are taken in the College of Arts and Sciences. Electives may be chosen from any of the music courses not included in the required work, or from the courses in science, mathematics, education, history or modern language. The student must satisfactorily complete the work of course 29, in piano and of course 6 in voice. In cases where a student excels in some other instrument than the piano, exceptions may be made in the amount of piano required, at the discretion of the head of the department. All candidates for the degree must appear in a graduation concert.

DEPARTMENTS OF INSTRUCTION.

Strict adherence to a fixed list of studies is not required. The needs of the individual student are considered and the studies varied accordingly. An idea of the work covered in the different classes may be obtained from the following announcements of courses. Unless otherwise stated each two-hour credit course will consist of two one-hour recitation periods each week with the requisite amount of practice and study (not less than four hours weekly).

VOICE.

Director BLACK.

1. **First Year Course.** (2 Hrs.) Technique; scales, arpeggios, etc.; vocalises, Panofka and Concone, Vaccai and Marchesi. Simple songs in Italian and English.
First semester; hours to be arranged.

2. **First Year Course.** (2 Hrs.) Continuation of Course 1.
Second semester; hours to be arranged.

3. **Second Year Course.** (2 Hrs.) Technique; scales, Lutgen, Concone, Lamperti, Panofka, etc. Songs in Italian and English. Ensemble; duets, trios, and quartets.
First semester; hours to be arranged.

4. **Second Year Course.** (2 Hrs.) Continuation of Course 3.
Second semester; hours to be arranged.

5. **Third Year Course.** (2 Hrs.) Technique; Bona, Lutgen, Concone, Bordogni, etc. Arias from standard grand operas and oratorios. Ensemble.
First semester; hours to be arranged.

6. **Third Year Course.** (2 Hrs.) Continuation of Course 5.
Second semester; hours to be arranged.

7. **Fourth Year Course.** (2 Hrs.) Technique; Lamperti, Concone, Aprile, etc. Graduation recital program.
First semester; hours to be arranged.

8. **Fourth Year Course.** (2 Hrs.) Continuation of Course 7.
Second semester; hours to be arranged.

9. **Choir.** (1 Hr.)
First semester; hours to be arranged.

10. **Choir.** (1 Hr.) Continuation of Course 9.
Second semester; hours to be arranged.

11. **Glee Club.** (1 Hr.)
First semester; hours to be arranged.

12. **Glee Club.** (1 Hr.) Continuation of Course 11.
Second semester; hours to be arranged.

PIANO.

Mrs. Black, Miss Moore, Mrs. Snee, and Miss Butman.

21. **Elementary Course.** (2 Hrs.) Not accepted for credit for the degree of Bachelor of Music. Grade I. (a) Structure of the keyboard and fundamentals of notation. (b) Technique: all major scales, finger exercises; transposition of such exercises into familiar keys. (c) Studies and short pieces of the first grade by standard composers. (d) Ear training: pitch and rhythm of short melodic phrases. (e) Sight reading: simple duets for teacher and pupils.

22. **Elementary Course.** (2 Hrs.) Not accepted for credit for the degree of Bachelor of Music. Grade II. (a) More advanced notation. (b) Technique: all major scales in parallel and contrary motion; minor scales in parallel motion; finger exercises; transposition of exercises into familiar keys. (c) Studies by Kohler, Loeschhorn and Heller; Little Preludes by Bach, sonatinas by Clementi and others; classical and romantic compositions of second grade. (d) Ear training: phrases in one and two voice-parts. (e) Sight reading: pieces of first grade; duets.

23. **Elementary Course.** (2 Hrs.) Not accepted for credit for the degree of Bachelor of Music. Grade III. (a) Technic: all major and minor scales in parallel and contrary motion; two-octave arpeggios in triads, dominants and diminished seventh chords; finger exercises; transposition of exercises into various keys. (b) Studies such as Berens' Velocity Studies; Kuhlau and Clementi sonatinas, Schumann's Album for the Young, and miscellaneous compositions of third grade. (c) Ear training: phrases in one to four voice parts. (d) Sight reading: pieces of second grade.

24. **Intermediate Course.** (2 Hrs.) Grade IV. (a) Technic: scales and arpeggios in all keys; scales in thirds; exercises for fingers, arm, pedals, etc.; transposition of exercises. (b) Studies such as Cramer's Fifty Studies (Schirmer edition), Czerny's Velocity Studies Op. 299; two-voice inventions by Bach, sonatas by Haydn and Mozart, and miscellaneous compositions of fourth grade. (c) Ear training: phrases in two to four voice-parts. (d) Sight reading: pieces of third grade.

First semester; hours to be arranged.

25. **Intermediate Course.** (2 Hrs.) Continuation of course 24.

Second semester; hours to be arranged.

26. **Intermediate Course.** (2 Hrs.) Grade V. (a) Technic: arpeggios in extended positions; scales in thirds and sixths. (b)

Cramer and Ozerny studies continued; studies by Jensen and Haberbier; three-voice inventions by Bach, Beethoven's earlier sonatas, and miscellaneous compositions of fifth grade. (c) Ear training: phrases in four-voice parts. (d) Sight reading: sonatas by Clementi, Kuhlau, etc.

First semester; hours to be arranged.

27. Intermediate Course. (2 Hrs.) Continuation of Course 26.
Second semester; hours to be arranged.

28. Intermediate Course. (2 Hrs.) Grade VI. (a) Technic: rapid scales and arpeggios; octave exercises; transpositions. (b) Studies such as Clementi's Gradus ad Parnassum, Czerny Op. 740; Bach's Well-Tempered Clavichord, other Beethoven sonatas, sonatas by Weber, Grieg, Chopin, and miscellaneous compositions of sixth grade. (c) Ear training: more difficult phrases in four voice-parts. (d) Sight reading: simpler sonatas by Haydn and Mozart.

First semester; hours to be arranged.

29. Intermediate Course. (2 Hrs.) Continuation of Course 28.
Second semester; hours to be arranged.

30. Advanced Course. (2 Hrs.) Grade VII. (a) Technic: complex and extended scale and arpeggios. (b) More difficult compositions by Beethoven, Chopin, Schumann and Liszt; piano concertos by Beethoven, Mozart, Mendelssohn and others; miscellaneous compositions of seventh grade.

First semester; hours to be arranged.

31. Advanced Course. (2 Hrs.) Continuation of Course 30.
Second semester; hours to be arranged.

32.—Sight Playing. (1 Hr.) The work is arranged for classes of four or six, one hour per week and consists of rhythmic scale work, transposition of simple hymn forms, study of the classics, such as overtures, quartettes and symphonies, and the study of modern compositions.

First semester; hours to be arranged; Miss MOORE.

33. Sight Playing. (1 Hr.) Continuation of Course 32.
Second semester; hours to be arranged; Miss MOORE.

34. Teaching of Piano. (1 Hr.) A course in the teaching of piano is offered to advanced students in response to a growing demand for teachers whose general musical knowledge includes a practical and comprehensive training in piano teaching. The course not only aims to present the principles of pedagogy and scientific piano study as applied in present day methods, but illustrates by means of prac-

tice teaching the application of these principles to the needs of the individual student. Four hours of this work is required of all candidates for teachers' certificates in piano.

First semester; hours to be arranged; Miss Butman.

35. **Teaching of Piano.** (1 Hr.) Continuation of Course 34.

Second semester; hours to be arranged; Miss Butman.

36. **Teaching of Piano.** (1 Hr.) Continuation of Course 34.

First semester; hours to be arranged; Miss Butman.

37. **Teaching of Piano.** (1 Hr.) Continuation of Course 34.

Second semester; hours to be arranged; Miss Butman.

Examinations in Piano.

All entering students, other than beginners, will be given an entrance examination to determine for which grade they are fitted.

All piano students will be examined at least twice a year, in January and in June, to determine the progress made.

VIOLIN.

Mr. Delli-Gatti.

41. **Elementary Course.** (2 Hrs.) Sweik semitone system; Hans Sitt, twenty studies for beginners; Fred. David, twenty-four studies in first position; Hans Sitt, twelve pieces in first position; scales and arpeggi in first position.

First semester; hours to be arranged.

42. **Elementary Course.** (2 Hrs.) Continuation of Course 11.

Second semester; hours to be arranged.

43. **Intermediate Course.** (2 Hrs.) Hans Sitt, twenty studies in second, third, and fourth positions; twenty studies in shifting the positions, by the same author; studies by Leonard and Dont; scales and arpeggi in three octaves; concertos, Sitt and Viotti.

First semester; hours to be arranged.

44. **Intermediate Course.** (2 Hrs.) Continuation of Course 43.

Second semester; hours to be arranged.

45. **Intermediate Course.** (2 Hrs.) Kreutzer studies; Viotti concerto No. 22; Kreutzer, No. 19; Fiorilli studies; Rode concerto, No. 7; Deberiot concertos Nos. 7 and 9.

First semester; hours to be arranged.

46. Intermediate Course. (2 Hrs.) Continuation of Course 45.

Second semester; hours to be arranged.

47. Advanced Course. (2 Hrs.) Rode studies; Wierniawski concerto; David studies.

First semester; hours to be arranged.

48. Advanced Course. (2 Hrs.) Continuation of Course 47.

Second semester; hours to be arranged.

49. Advanced Soloist Course. (2 Hrs.) Scales and arpeggi in three octaves; sonatas by Bach; Paganini etudes; concertos by Mendelssohn, Saint Saens, Max Bruch.

First semester; hours to be arranged.

50. Advanced Soloist Course. (2 Hrs) Continuation of Course 49.

Second semester; hours to be arranged.

51. Orchestra. (1 Hr.)

First semester; hours to be arranged.

52. Orchestra. (1 Hr.) Continuation of Course 51.

Second semester; hours to be arranged.

ENSEMBLE.

Mr. DELLI-GATTI.

53. Accompanying. (1 Hr.) The course furnishes opportunity to advanced students to acquire the art of accompanying songs, violin and cello solos.

First semester; hours to be arranged.

54. Accompanying. (1 Hr.) Continuation of Course 53.

Second semester; hours to be arranged.

55. Chamber Music. (1 Hr.) The study of sonatas, trio and string quartettes by Haydn, Mozart, Beethoven, Bach, Handel, Mendelssohn, Gade, Grieg, etc. Open to violinists, cellists, pianists and viola players.

First semester; hours to be arranged.

56. Chamber Music. (1 Hr.) Continuation of Course 55.

Second semester; hours to be arranged.

PIPE ORGAN.

Mrs. SNEE.

61. First Year Course. (2 Hrs.) Grade I. Stainer's Organ Book; Rink's Organ School; Schneider's Pedal Studies; hymn playing and easy organ composition.
First semester; hours to be arranged.

62. First Year Course. (2 Hrs.) Continuation of Course 61.
Second semester; hours to be arranged.

63. Second Year Course. (2 Hrs.) Grade II. Buck's studies in pedal phrasing; Bach short preludes and fugues; easier sonatas of Guilmant, and Mendelssohn; organ pieces by Hollins, Lemarc, and Rhineberger.
First semester; hours to be arranged.

64. Second Year Course. (2 Hrs.) Continuation of Course 63.
Second semester; hours to be arranged.

65. Third Year Course. (2 Hrs.) Larger works of Bach; more difficult sonatas of Guilmant, Mendelssohn, and Rhineberger; pieces by Dubois, Salome, Lemmeus, Grison.
First semester; hours to be arranged.

66. Third Year Course. (2 Hrs.) Continuation of Course 65.
Second semester; hours to be arranged.

67. Fourth Year Course. (2 Hrs.) Handel concerto; Wider symphonies; Bach Toccato and Fugue; Graduation recital program.
First semester; hours to be arranged.

68. Fourth Year Course. (2 Hrs.) Continuation of Course 67.
Second semester; hours to be arranged.

PUBLIC SCHOOL MUSIC.

71. Elementary Sight Singing. (3 Hrs.) Not accepted for credit for the degree of Bachelor of Music. Designed to meet the needs of students who are deficient in reading the elements of music.
First semester; M., W., F., 9:00; ————

72. Elementary Sight Singing. (3 Hrs.) Continuation of 71.
Second semester; M., W., F. 9:00; ————————

73. Sight Singing. (3 Hrs.) The reading of music involving difficult intervals, complicated rhythms, chromatic melody, modulations, etc., two-part singing.
First semester; M., W., F., 11:00; ————

74. Sight Singing. (3 Hrs.) Continuation of 73. Three and four-part singing.
Second semester; M., W., F., 11:00; ————

75. Ear Training. (3 Hrs.) Rhythmic and melodic dictation. Tonal relationships of the major and minor scales, introducing chromatic intervals, and simple time problems.
First semester; M., T., Th. 10:00; ————————

76. Ear Training. (3 Hrs.) Continuation of 75. More difficult rhythms and intervals. Song analysis.
Second semester; M., T., Th. 10:00; ————————

77. Music Appreciation. (2 Hrs.) Teaching children how to listen to music. Masterpieces suitable for children.
First semester; T., Th. 9:00; ————————

78. Music Appreciation. (2 Hrs.) Continuation of 77. Conducting music memory contests.
Second semester; T., Th. 9:00; ————————

79. Music Appreciation. (3 Hrs.) The structure, development, and aesthetic content of the art of music. Analytical study of the smaller forms of musical composition from the standpoint of the listener to develop a taste for and an understanding of the best music. Illustrations from the works of the masters. Required of all music students. Prerequisite: Courses 75 and 76.
First semester; M., W., F., 9:00; Miss HINKEL.

80. Music Appreciation. (3 Hrs.) Analytical study of masterpieces in the larger forms of musical composition. Illustrations from the masters. Required of all music students. Prerequisite: Course 79.
Second semester; M., W., F., 9:00; Miss HINKEL.

81. Music Education. (2 Hrs.) Open to juniors. Study of the child voice. The changing voice of the boy. Selection and teaching of rote songs. Survey of materials used in the kindergarten.
Both semesters; T., Th., 11:00; Miss HINKEL.

82. Music Education. (4 Hrs.) Open to juniors. Study of materials and methods of teaching music in the primary grades. The application of the general principles of teaching to the teaching of music. Music in correlation with other primary subjects.
First semester; M., T., Th., F., 10:00; Miss HINKEL.

83. Music Education. (4 Hrs.) Continuation of 82, applied to intermediate grades.
Second semester; M., T., Th., F., 10:00; Miss HINKEL.

84. **Music Education.** (1 Hr.) Open to seniors. Study of materials and methods of teaching music in the junior high school. Music memory contests, etc.

First semester; T. 9:00; Miss HINKEL.

85. **Music Education.** (1 Hr.) Open to seniors. Comparative study of music systems in modern use.

Second semester; T. 9:00; Miss HINKEL.

86. **Music Education.** (1 Hr.) Open to seniors. The practical application of the supervisor's training and skill, not alone to the schoolroom, but to the needs of the community as a natural amplification of the school and its work.

First semester; Th. 11:00; Miss HINKEL.

87. **Music Education.** (1 Hr.) Continuation of 86.

Second semester; Th. 11:00; Miss HINKEL.

88. **Music Education.** (1 Hr.) Open to seniors. High school methods and materials, including, chorus, orchestra, glee clubs, conducting, music appreciation, harmony, credit for outside music study. Observation and practice.

First semester; Th. 9:00; Miss HINKEL.

89. **Music Education.** (1 Hr.) Continuation of 88.

Second semester; Th. 9:00; Miss HINKEL.

90. **Observation and Practice Teaching.** (2 Hrs.) Open to juniors and seniors. Daily beginning the junior year and continuing until satisfactory skill has been attained.

Seneca School; 1:30-3:00 p. m.; Miss HINKEL.

91. **Practice Supervision and High School Teaching.** (2 Hrs.) Open to seniors. Actual supervision of juniors at Seneca School, practice teaching and conducting of high school classes in music.

Miss HINKEL.

92. **Orchestra Class. (1 Hr.)** Study of the cornet and trombone in classes. Tone production, simple exercises and scales, easy pieces, fingering of cornet, positions of the slide trombone and their relationship. Literature of brass instruments. Mitchell's class method will be the text used.

First semester; Mr. STUMP.

93. **Orchestra Class.** (1 Hr.) Study of the clarinet. Boehm and Albert systems. Tone production, simple scales and exercises. Mitchell's Class Method will be the text used.

First semester; Mr. STUMP.

94. **Orchestra Class.** (1 Hr.) Study of the flute. Boehm and Myer systems. Tone production, simple scales and exercises, easy pieces, literature.

First semester; Mr. STUMP.

95. **Orchestra Class.** (1 Hr.) Study of the violin. Scales, simple pieces and exercises, positions, tuning, etc.

First semester; Mr. DELLI-GATTI.

96. **Orchestra Class.** (1 Hr.) Study of the viola and cello. Scales, simple pieces, exercises, positions, tuning, etc.

First semester; Mr. DELLI-GATTI.

97. **Orchestra Class.** (1 Hr.) Playing in a band or orchestra for the purpose of acquiring actual experience. Band and orchestra material.

Second semester; Mr. STUMP.

NOTE—Students owning instruments are requested to bring them with them, otherwise instruments will be rented for the class, and a small rental fee will be charged.

THEORY OF MUSIC.

Miss FLORA HAYES.

101. **Introductory Harmony and Ear Training.** (3 Hrs.) Keyboard harmony. Prerequisite; at least one semester's work in piano.

First semester; M., W., F., 9:00.

102. **Intermediate Harmony and Ear Training.** (3 Hrs.) Keyboard harmony. Continuation of course 101.

Second semester; M., W., F., 9:00.

103. **Advanced Harmony and Harmonic Dictation.** (2 Hrs.) Keyboard harmony. Prerequisite: Courses 101 and 102.

First semester; T., Th., 9:00.

104. **Advanced Harmony.** (2 Hrs.) Continuation of course 103.

Second semester; T., Th., 9:00.

105. **History of Music.** (2 Hrs.) The ancient period.

First semester; M., F., 10:00.

Second semester; M., F., 10:00.

106. **History of Music.** (2 Hrs.) The classic periods.

Second semester; M., F., 10:00.

107. History of Music. (2 Hrs.) The romantic period.
First semester; T., Th., 10:00.

108. History of Music. (2 Hrs.) Modern and current music.
First semester; M., F., 10:00.

109. Elementary Counterpoint. (3 Hrs.) Prerequisite: Courses 101 and 102.
First semester; M., W., F., 11:00.

110. Advanced Counterpoint. (3 Hrs.) Continuation of course 109.
Second semester; M., W., F., 11:00.

111. Analysis and Form. (2 Hrs.) The smaller forms.
First semester; T., Th., 11:00.

112. Analysis and Form. (2 Hrs.) The larger forms.
Second semester; T., Th., 11:00.

TUITION.

	Lessons per week		
Voice	One	Two	Three
Mr. Black	$35.00	$55.00	$70.00
Mrs. Dille	25.00	35.00	
Piano			
Mrs. Black	35.00	55.00	70.00
Mrs. Snee, Miss Moore and Miss Butman	25.00	35.00	
Miss Butman			
Elementary (with Normal Students)	$ 7.00 per Semester		
Elementary (Miss Butman in Classes)	18.00 per Semester		
Piano Sight Playing (Class of 4, one hour per week)	10.00 per Semester		
Violin			
Mr. Delli-Gatti			
Elementary	$20.00	$30.00	
Intermediate	25.00	35.00	
Advanced	25.00	40.00	
Orchestra Class (1 Hr.)	5.00		
Pipe Organ			
Mrs. Snee	30.00	50.00	
Ensemble			
Mr. Delli-Gatti	20.00 a sem.		
Theory of Music (Miss Hayes), Public School Music (Miss Hinkel)	$5.00 per semester hour		

Piano for practice, one hour a day, will be furnished at $6.00 a semester; two hours a day at $10.00 a semester; three hours a day at $14.00 a semester; four hours a day at $18.00 a semester.

Pipe organ practice, one hour a day, $10.00 a semester.

Students whose work is wholly in the School of Music pay only tuition.

Students who register in the School of Music and take University work not required in the music courses are subject to the usual University fees except the athletic fee.

SUMMER SCHOOL.

The University Summer School begins each year at the close of the second semester (about June 15) and lasts ten weeks. Several members of the Music School Faculty are in residence for the first six weeks and offer courses of special interest to those students who can attend only in summer, for particular pains is taken to cover all the ground possible in six weeks and the courses of study are arranged with that end in view.

The Summer School

FACULTY.

FRANK BUTLER TROTTER, A.M., LL.D., President of the University

LLOYD LOWNDES FRIEND, A.M., Director of the Summer School

ALFRED JARRETT HARE, A.M., Registrar

HOWARD BUSHNELL ALLEN, M.S., Assistant Professor of Agricultural Education; *Agricultural Education*

CHARLES HENRY AMBLER, PH.D., Professor of History; *History*

EDGAR LEWIS ANDREWS, B.S.AGR., Associate Professor of Poultry Husbandry; *Poultry Husbandry*

ERNEST LEE ANTHONY, M.S., Professor of Dairy Husbandry; *Dairy Husbandry*

ROBERT ALLEN ARMSTRONG, A.M., L.H.D., Chaplain and Professor of English Language and Literature; *English*

LONNA DENNIS ARNETT, PH.D., Librarian; *Library Science*

WINFREE LOYD ARRINGTON, Extension Instructor in Mining; *Mining*

GEORGE RUSSELL BANCROFT, PH.D., Associate Professor of Physiological Chemistry; *Chemistry*

WAITMAN BARBE, A.M., LITT.D., Professor of English; *English*

EUGENE WILLIAM BELL, Instructor in Mining; *Mining*

LOUIS BLACK, Director University School of Music; *Voice*

ETHEL BORDEN BLACK, Instructor in Piano in the School of Music; *Piano*

GEORGE PAUL BOOMSLITER, M.S., Professor of Mechanics; *Mechanics*

PAUL STEWART BUCHANAN, A.B., Instructor in Public Speaking; *Public Speaking*

LEWIS VAN CARPENTER, B.S.C.E., Instructor in Structural and Hydraulic Engineering; *Structural and Hydraulic Engineering*

LOUIS WATSON CHAPPELL, A.M., Instructor in English; *English*

FLOYD EARLE CHIDESTER, PH.D., Professor of Zoology; *Zoology*

JOHN HAROLD CASEY, B.J., Assistant Professor of Journalism, University of Missouri; *Journalism*

FRIEND EBENEZER CLARKE, PH.D., Professor of Chemistry; *Chemistry*

ARMAND RENE COLLETT, PH.D., Instructor in Chemistry; *Chemistry*

RACHEL HARTSHORN COLWELL, B.S., M.A., Professor of Home Economics; *Home Economics*

LUCY M. COPELIN, A.M., Teacher of English in Morgantown High School; *Teacher in Demonstration School*

JOHN HARRINGTON COX, PH.D., Professor of English Philology; *English*

F. WALDO CRAIG, B.S.AGR., Graduate Assistant in Entomology; *Entomology*

ADAM CRAWFORD, Extension Instructor in Mining; *Mining*

HOLLY ESTIL CUNNINGHAM, PH.D., Professor of Philosophy; *Philosophy and Psychology*

ANDREW JACKSON DADISMAN, PH.D., Professor of Farm Economics; *Farm Economics*

ARLEIGH LEE DARBY, A.M., Professor of Romance Languages; *French and Spanish*

EARL C. H. DAVIS, PH.D., Associate Professor of Chemistry; *Chemistry*

EUGENE PEYTON DEATRICK, PH.D., Associate Professor of Soils; *Soils*

EDMUND CHARLES DICKINSON, A.B., J.D., Professor of Law; *Quasi Contracts*

FREDERICK G. DETWILER, PH.D., Professor of Sociology in Denison University; *Sociology*

FRANK DELLI-GATTI, Instructor in Violin and Ensemble; *Violin*

MAXWELL JAY DORSEY, PH.D., Professor of Horticulture; *Horticulture*

ROBERT BARCLAY DUSTMAN, PH.D., Assistant Professor of Chemistry; *Chemistry*

JOHN ARNDT EIESLAND, PH.D., Professor of Mathematics; *Mathematics*

ANDREAS ELVIKEN, CAND. MAG., Instructor in European History; *European History*

LESTER COLLINS FARRIS, A.M., Assistant Professor of English; *English*

MARJA STEADMAN FEAR, A.B., Instructor in Public Speaking; *Public Speaking*

WALTER LYNWOOD FLEMING, PH.D., Professor of History and Dean, Vanderbilt University; *History*

P. S. FLIPPIN, PH.D., Professor of History, Mercer University; *History*

THOMAS FRASER, E.M., Assistant Professor of Mining Engineering; *Mining*

CLARENCE EUGENE GARLAND, PH.D., Instructor in Chemistry; *Chemistry*

C. R. GATES, A.B., Principal Westover School, Morgantown; *Teacher Demonstration School*

ENOCH FRANKLIN GEORGE, PH.D., Associate Professor of Physics; *Physics*

WARREN GIFFORD, B.S.AGR., Assistant in Dairy Husbandry; *Dairy Husbandry*

JAMES HERBERT GILL, M.E., Professor of Machine Construction; *Machine Construction*

WILLIAM OLIVER GNAGEY, Instructor in Machine Shop Practice; *Machine Shop*

GRACE MARGARET GRIFFIN, A.B., Instructor in Physical Education; *Physical Education for Women*

THOMAS PORTER HARDMAN, M.A., J.D., Professor of Law; *Public Utilities*

THOMAS LUTHER HARRIS, PH.D., Professor of Sociology; *Sociology*

JOSEPH HUNTER HASKELL, Instructor in Mining; *Mining*

FLORA RAY HAYES, A.B., Instructor in the Theory and History of Music; *The Theory and History of Music*

LESLIE DAVID HAYES, M.E., Professor of Machine Design and Construction; *Mechanical Drawing*

LAWRENCE BENJAMIN HILL, PH.D., Professor of Education; *Education*

HARRY HILL, A.B., Assistant in Physics; *Physics*

HUBERT HILL, M.S., Associate Professor of Chemistry; *Chemistry*

LYDIA IRENE HINKEL, B.MUS., Instructor in Public School Music; *Public School Music*

HARRY CHRISTOPHER HUMPHREYS, PH. D., Associate professor of Education; *Education*

MABEL HODGES, A.M., Teacher of Mathematics in Parkersburg High School; *Teacher in Demonstration School*

ERNEST JACKMAN, A.M., Principal High School, Dalton, Massachusetts; *Supervisor of the Demonstration School*

CARL ALFRED JACOBSON, PH.D., Professor of Chemistry; *Chemistry*

DAVID DALE JOHNSON, A.M., Professor of English; *English*

WILLIAM W. JOHNSTON, A.M., Head of the English Department, Michigan Agricultural College; *English*

CHARLES ROYAL KESSEL, B.S., M.D., University Physician; *Hygiene and Sanitation*

CHARLES E. LAUTERBACH, PH.D., Director of Educational Research, Sherwood Schools, Milwaukee, Wisconsin; *Education*

CHARLES ELMER LAWALL, E.M., M.S., Associate Professor of Mining Engineering; *Mining*

MINERVA LAWSON, Assistant in Public School Music; *Public School Music*

MARIAN LEWIS, A.B., Teacher of English in High School, Dalton, Massachusetts; *Teacher in Demonstration School*

EDWARD ALEXANDER LIVESAY, A.M., Professor of Animal Husbandry; *Animal Husbandry*

EDWARD SILVER MACLIN, B.S.EDU., Professor of Industrial Education; *Industrial Education*

JULIAN PAUL MADDEN, Instructor in Mining; *Mining*

RAY HEWITT MAGEE, Instructor in Mining; *Mining*

MONTAGUE F. MODDER, PH.D., Associate Professor of English in Miami University; *English*

SUSAN MAXWELL MOORE, A.B., Instructor in Piano; *Piano*

SAMUEL JOHN MORRIS, M.D., Professor of Anatomy; *Microscopic Anatomy*

SAMUEL MORRIS, PH.D., Professor of Chemistry; *Chemistry*

SIDNEY LAMONT McGEE, A.M., Instructor in Romance Languages; *French*

ALBERT JOHN MURPHY, M.A., Professor of Religious Education in the University of Pittsburgh; *Religious Education*

ROY EZEKIEL NELSON, B.S.C.E., Instructor in Mining Engineering; *Mining*

HUBERT WILBUR NUTT, PH.D., Professor of Education in Ohio Wesleyan University; *Education*

THEODORE EDWARD ODLAND, M.S., Associate Professor of Agronomy; *Agronomy*

DICKSON WARD PARSONS, M.S., Instructor in Vocational Agriculture; *Vocational Agriculture*

LEONARD MARION PEAIRS, B.S.AGR., M.S., Professor of Entomology; *Entomology*

EBENEZER LEE PERRY, A.M., Professor of Latin, Bethany College; *Latin*

DAVID H. PIERCE, M.A., Principal Greely School, Minneapolis, Minnesota; *Education*

ALLEN WILSON PORTERFIELD, PH.D., Professor of Germanic Languages and Literature; *German*

JAMES STANLEY POUNDSTONE, Instructor in Mining; *Mining*

CARL SPANGLER QUISENBERRY, B.S.AGR., Instructor in Agronomy; *Agronomy*

CLARENCE NEWTON REYNOLDS, JR., PH.D., Assistant Professor of Mathematics; *Mathematics*

L. D. RICHER, Assistant Director of Physical Education, University of Akron, Akron, Ohio; *Physical Education*

LOUIS AUGUST RUFENER, PH.D., Professor of Economics; *Economics*

EARLE REED SCHEFFEL, M.S., Associate Professor of Geology; *Geology*

RAYMER EGBERT SEAMAN, Instructor in Woodworking and Foundry Practice; *Manual Training*

GRACE MARTIN SNEE, Instructor in Pipe Organ; *Pipe Organ*

CLIFFORD RAYMOND SNYDER, A.B., S.J.D., Professor of Law; *Contracts in Restraint of Trade*

SYLVIA SOUPART, A.M., Teacher of English in Morgantown High School; *Teacher in the Demonstration School*

CLAUDE CARL SPIKER, PH.D., Associate Professor of Romance Languages; *French and Spanish*

ROBB SPALDING SPRAY, PH.D., Associate Professor of Bacteriology; *Bacteriology*

ELIZABETH STALNAKER, PH.D., Assistant Professor of Education; *Education*

MADISON STATHERS, PH.D., Professor of Romance Languages; *French and Spanish*

HERMAN DELOSS STILLMAN, Instructor in Woodworking; *Woodworking*

ERWIN COVERDALE STILWELL, M.S., Assistant Professor of Animal Husbandry; *Animal Husbandry*

PERRY DANIEL STRAUSBAUGH, PH.D., Professor of Botany; *Botany*

CHARLES STUMP, Assistant in Public School Music; *Public School Music*

RUAL BOWER SWIGER, A.M., Assistant in Geology, University of Oklahoma; *Geology*

LELAND HART TAYLOR, S.D., Assistant Professor of Zoology; *Zoology*

RAYMOND JONES TITERINGTON, Instructor in Mining; *Mining*

MARIAN TORREY, PH.D., Instructor in Mathematics in the University of Illinois; *Mathematics*

GEORGE MALCOLM TROUT, B.S., Assistant in Dairy Husbandry; *Dairy Husbandry*

BIRD MARGARET TURNER, PH.D., Assistant Professor of Mathematics; *Mathematics*

ROBERT GRAHAM TURNER, M.S., Instructor in Chemistry; *Chemistry*

JAMES RUSSELL TROTTER, PH.D., LL.B., Professor of Law; *Wills and Administration*

A. T. VOLWILER, PH.D., Professor of History, Wittenberg College; *History*

RUFUS ASA WEST, Instructor in Metal Working; *Metal Working*

JOHN THOMAS WEST, A.M., Principal Morgantown High School; *Teacher in the Demonstration School*

KYLE CHESTER WESTOVER, B.S., Assistant Professor of Horticulture; *Horticulture*

E. I. F. WILLIAMS, A.M., Professor of Education, Heidelberg University, Tiffin, Ohio; *Education*

ERNEST THOMAS WIGHTMAN, B.S.AGR., Assistant in Poultry Husbandry; *Poultry Husbandry*

CHARLES VINYARD WILSON, M.S., Assistant Professor of Animal Husbandry; *Animal Husbandry*

ELSIE WILSON, B.S., Cherokee, Illinois; *Home Economics*

ANNOUNCEMENTS

The twenty-seventh annual session of the Summer School of West Virginia University will begin Monday, June 15 and will close Saturday, August 29, 1925. It will be divided into two terms as follows:

First term, six weeks, June 16 to July 24.

Second term, five weeks, July 27 to August 29.

School will be in session six days in the week during the second term. This will make it possible for students to obtain full six weeks' credit for this term.

ADMISSION.

To be eligible for admission to the Summer School an applicant must be either, (1) a graduate of a standard high school or its equivalent, or (2) a mature man or woman capable of doing college work as a special student. Prospective students who expect to enter under the first designation should send their credits as soon as posible to the Registrar, Professor A. J. Hare.

FEES.

The fee for the Summer School, either for the full session or for either of the short terms, is $10.00 for resident students of West Virginia and $15.00 for non-residents. This fee covers matriculation, incidentals, and laboratory charges. This statement applies to all courses offered in the Summer School except, (1) the courses in the Department of Medicine; (2) the courses in the School of Music.

CREDITS.

Work offered in the Summer School is equivalent in method, character, and credit value to that of the academic year. Twelve hours credit may be made in the full session and six hours credit in either term.

All grades will be mailed to the students by the Registrar at the close of the eleven weeks course.

No statements or certificates will be given except those sent out from the Registrar's office.

LIVING ACCOMMODATIONS FOR MEN.

In private homes, room rent ranges from $2.00 to $3.00 per week per roomer, with two persons in the room. The rate for single rooms ranges from $3.50 to $5.00 per week. Board may be had in boarding houses at $6.00 and $7.00 per week. Men desiring accommodations should address Mr. W. J. Jones, Y. M. C. A., Morgantown, West Virginia, stating kind of place wanted, locality desired, and price they are willing to pay.

LIVING ACCOMMODATIONS FOR WOMEN.

Rooms in Woman's Hall, according to location, cost from $12.00 to $15.00 per person, for six weeks; in the Annex, from $9.00 to $12.50. Table board is $6.00 per week. Meals are served in the dining hall of the Woman's Hall, which accommodates 300 persons. A deposit of $10.00 is required from all who desire to secure rooms either in the Woman's Hall or the Annex. Write to Miss Martha T. Fulton, Dean of Women.

There are also good accommodations for women students in Morgantown homes. Miss Fulton will send an approved list to all who ask for her assistance. It is desirable to engage living accommodations before coming to the Summer School.

Women students arriving in Morgantown in the daytime should go first to Woman's Parlor, Woodburn Hall, unless they have already made arrangements for their living accommodations; those arriving at night should go to Woman's Annex, 247 Willey Street, where they will be taken care of until permanent arrangements for them can be made.

Prospective Summer School students are urged to write directly to either Miss Fulton or Mr. Jones about rooming and boarding accommodations, rather than to the President of the University or to the Director of the Summer School.

THE UNIVERSITY CAFETERIA.

The new University Cafeteria will be operated during the Summer Session for the benefit of Summer School students and will make it possible for them to obtain excellent meals at very low cost. The cafeteria is open to both men and women.

COURSES IN EDUCATION.

A greater number and variety of courses in education are offered in the Summer School this year than usual. These include courses in administration and supervision, high school and junior high school

problems, normal school problems, educational psychology, tests and measurements, educational surveys and the history of education. Twenty-five courses are offered in all.

COURSES FOR SPECIAL TEACHERS.

A number of courses are offered in the Summer School for teachers of special subjects. These include courses in vocational agriculture, surveys of occupations, home economics, organization and administration of manual training, woodworking, metalworking, and public school music.

DEMONSTRATION SCHOOL.

The Demonstration School carried on in connection with the Summer Session will this year be illustrative of the "Dalton Plan," and will be organized and conducted under the leadership of Mr. Ernest Jackman (A.M. Columbia), Principal of the high school at Dalton, Massachusetts, the first secondary school to attempt the plan and the one that gave to that mode of procedure its now well-known name.

Six grades corresponding to the arrangement of the ordinary junior-senior high school will be included in the organization; and simple curricula aimed to provide the maximum of elements identical with the usual secondary school situation will be provided. Opportunity will thus be offered to the students of education in the Summer Session to study the make-up and uses of the assignment, the workshop method, means of measuring progress, and the schemes for forming small conference groups on the basis of varying speed.

It is hoped that by this highly practical demonstration students of education in the Summer Session may obtain an adequate understanding of the Dalton Plan and be encouraged to apply its principles advantageous to their educational situations. The Demonstration school will be open during the first nine weeks of the Summer Session.

COURSES IN RELIGIOUS EDUCATION.

Courses in Religious Education will be offered during the first six weeks of the Summer School. Albert J. Murphy, Professor of Religious Education in the University of Pittsburgh, will give these courses and will also have a conference hour in the afternoon at a time to be arranged. These courses are intended primarily for Sunday School teachers, teachers of Bible in high schools and junior high schools, ministers, and other persons specially interested in the

problems of religious education. Professor Murphy is an expert in this field of instruction and it is expected that his courses will attract a considerable number of students.

GRADUATE COURSES.

An increasing number of students who attend the University Summer School are college graduates and come to work for graduate degrees. Most departments of the University, therefore, offer courses for graduate students. All courses listed in the University Catalogue and the Summer School Bulletin bearing double numbers, one number being above one hundred, as well as all courses bearing single numbers above one hundred, except in the College of Engineering, may be pursued for graduate credit.

OTHER COLLEGE COURSES.

Practically all the departments of the University will be open. Courses will be offered in agriculture, geology, botany, zoology, physics, chemistry, medicine, law, engineering (including short courses in mining), education, English, mathematics, history, economics, sociology, philosophy, psychology, Latin, German, French, Spanish, home economics, music (including public school music), public speaking, journalism, and physical education for both men and women. College students may take work toward their degree as well in the Summer School as at any other time of the year.

VESPER SERVICES.

The School of Music faculty, under the direction of Louis Black, will give, as usual, a series of weekly music recitals during the first six weeks of the session every Thursday at 8:15 o'clock p. m. These recitals will be free, and open to the public.

For further information about any feature of the Summer School, address the Director,

L. L. FRIEND,
Morgantown, W. Va.

FRANK B. TROTTER, LL.D.,
President.

The Division of Military Science and Tactics

STAFF OF INSTRUCTION.

LELAND S. DEVORE, Major, Infantry United States Army, *Professor of Military Science and Tactics*

HUGH C. GILCHRIST, Captain, Infantry United States Army, *Assistant Professor of Military Science and Tactics*

HOWARD J. GORMAN,[1] Captain, Infantry United States Army, *Assistant Professor Military Science and Tactics*

ARTHUR R. WHITNER, Captain, Infantry United States Army, *Assistant Professor Military Science and Tactics*

FRANK B. HASTIE, First Lieutenant, Engineer Corps United States Army, *Assistant Professor Military Science and Tactics*

THOMAS F. KERN, First Lieutenant, Engineer Corps United States Army, *Assistant Professor Military Science and Tactics*

HENRY T. SCHULTZ, Staff Sergeant, Engineer Corps United States Army, *Assistant to Professor Military Science and Tactics*

WILLIAM H. RUSSELL, Staff Sergeant, Infantry United States Army, *Assistant to Professor Military Science and Tactics*

HARLEY L. DEARBORN, Sergeant, D.E.M.L., *Assistant to Professor of Military Science and Tactics*

JAMES H. WHITE, Second Lieutenant, Reserve Corps, *Assistant to Professor of Military Science and Tactics*

EUGENE G. SMITH, Second Lieutenant, Engineer Reserve Corps, *Assistant to the Professor of Military Science and Tactics*

West Virginia University being one of the beneficiaries of the Act of Congress of 1862, instruction in military tactics is made compulsory for the freshman and sophomore years.

The Division is in charge of an officer of the United States Army, detailed by the War Department, as professor of military science and tactics. The Cadet Corps is inspected once each year by an officer of the General staff of the Army and several times during each year by the R. O. T. C. inspector Fifth Corps area.

An Infantry Unit, Senior Division, of the Reserve Officers' Training Corps was established by the War Department on December 12, 1916. An engineer unit was established in 1919.

[1] Died, April, 1925.

REQUIRED WORK IN MILITARY SCIENCE.

Extract from Chapter Forty-five of the Code of West Virginia.

Section 140. *Military Training.* Male students of suitable age in the university shall be required, under such regulations as the State Board of Education shall prescribe, to enroll in the department of military science. Said students shall serve for the time required by said regulations and shall be entitled to such special privileges and immunities as the State Board of Education may determine. The State Board of Education shall have authority to accept appropriations, material and other benefits from the Federal Government on account of any federal law providing for aid in the West Virginia University, for giving instruction in military science and to co-operate as far as practicable with the Federal Government for such purpose.

Order of the State Board of Education.

The following order has been adopted by the State Board of Education:

(1) Ordered that all male students, with the exceptions hereinafter named, enroll themselves in the Division of Military Science and follow diligently the course of instruction provided therein. Proficiency in this course shall be required for graduation.

(2) Practical and theoretical instruction shall be given four hours per week throughout the school year to all students except those in the advanced classes who will be required to take five hours per week. A credit for one hour shall be given for each semester's work satisfactorily completed. Such credit shall be included in the computation of the student's standing at the end of each semester.

(3) Every student enrolled in the Division of Military Science, shall at the time of his enlistment, deposit with the financial secretary of the University $10.00 to cover any loss or damage of books or government property occasioned through fault or neglect on the part of the cadet. This sum less such deductions as are made for lost property or other reasons will be refunded to the cadet at the expiration of the school term upon presentation to the financial secretary of certificate of property clearance.

(4) The following classes of students shall not be required to enroll themselves in the Military Division, but may elect to do so:

(i) All students who are citizens of a foreign country and do not intend to become citizens of the United States.

(ii) All students who at date of entrance in the University are more than twenty-three years of age.

(iii) All graduate students.

(iv) All students whose studies are entirely in the School of Music.

(v) All students who are taking only the short course, or the special winter course, or agricultural extension work in the College of Agriculture.

(vi) All students who at the time of their matriculation are classified as juniors or seniors in the various colleges, and all who have completed two years' service in the military division.

(vii) All students who are physically unable to perform military duty.

(5) A board, to be known as the military and gymnasium board, shall be composed of the commandant of cadets, the director of physical training, and a surgeon of the corps of cadets, designated by the President. This board shall act upon claims for exemption from military service.

(6) Students who claim exemption under any one of the first six cases must, within seven days after their registration in the University, present to the commandant, in writing, their request accompanied by such evidence as is relied upon to support the request. A failure to make the request within the stated time shall bar the student from claiming exemption.

(7) Applicants for exemption on the ground of physical disability shall be carefully examined by a surgeon of the corps. A fee of one dollar to be paid to the examining surgeon shall be charged for such examination.

(8) Students exempted under the seventh case shall, upon recommendation of the military and gymnasium board be required to register for such physical training as they can take until they have earned a credit equal to that given for the prescribed military work.

(9) In none of the preceding cases shall the student absent himself until his application has been acted upon.

(10) It shall be the duty of the commandant to notify the chairman of the committee on classification and grades whether the military and gymnasium board exempts a student or recommends that he be required to register for other work in place of military drill.

(1) Whenever the cause for exemption shall no longer exist, it shall be the duty of the student to present himself for drill at the next drill period.

(12) Students may appeal from the decision of the commandant of cadets or the military and gymnasium board, in which case the appeal shall be decided by the council of administration.

(13) All cadet officers taking military instruction as an elective shall be, as to their tuition fees, on the same basis as State cadets.

Other Regulations Concerning Cadets.

(1) A uniform for each cadet is furnished by the Government. The cadet is required to wear this uniform at drill and instruction.

(2) Cadets who are bona fide residents of West Virginia are known as State cadets. A State cadet is allowed free stationery and the use of text books to the value of $10.00 a year. If he graduates from any department of the University while a member of the cadet corps he is allowed to retain his text-books.

(3) Cadets who are members of the military band receive the same allowances as State cadets.

SPECIAL REWARDS FOR MILITARY EXCELLENCE.

The names of the most distinguished cadets of the graduating class are sent to the Adjutant General of the Army and to the Adjutant General of the State.

All graduates of the Military Division are eligible, within five years after graduation, to commission as first lieutenants in the Organized Militia of the State, without examination.

The State Board of Regents offers the following medals as special rewards for excellence in military training:

(1) To the cadet having the highest record for shooting on the University Rifle team, a gold medal; (2) to the cadet having the second highest record for shooting on the University Rifle team, a silver medal; (3) To the cadet having the highest aggregate score at Company Team Rifle Competition, a gold medal; (4) To the cadet having the best record for Military Training and Discipline, a gold medal; (5) To the cadet who shall write the best essay on preparation against war, fifty dollars.

Through the kidness of Mr. George C. Baker, of Morgantown, medals are offered to the two best trained privates in the corps. Both the military record for the year and the marks in the competitive drills of commencement week will be used in determining the award.

ARMORY.

The Armory (60 by 120 feet) is used as a drill hall during inclement weather. This building is the home of the cadet corps, and all entertainments, given by them are held therein, under the supervision of the Commandant of Cadets.

MILITARY BAND.

A military band of sixty pieces is maintained as a part of the Cadet Corps. Band instruments are furnished by the Government and instruction is given in band music. Band cadets are also instructed in military drill to include the school of the soldier and of the squad.

ADMINISTRATION AND INSTRUCTION.

For the purpose of administration and drill the Cadet Corps is organized as a Battalion of infantry: Field Staff, Band and four companies.

The work in military science is taken in connection with other University work, and requires about four hours each week. The course of instruction is intended to fit all who graduate therein to perform efficiently the duties of officers in the Officers' Reserve Corps, the Organized Militia of West Virginia, or of volunteers. The winter months are devoted to theoretical instruction in tactics and other military subjects, together with practical instruction in drill and in gallery practice.

Candidates for Degrees

Fifty-seventh Annual Commencement, June 3, 1924.

MASTER OF ARTS.

JOSEPH ALLEN AYERS . . . . . WESTON
A.B., West Virginia University, 1917.

WILLIAM WILEY GIVENS . . . . . KEENAN
A.B., West Virginia University, 1915.

MARGARET ANNE HAINES . . . . . FAYETTE CITY, PA.
A.B., West Virginia University, 1922.

WILLIAM CLYDE HERTZOG . . . . . SHINNSTON
A.B., Salem College.

GEORGE DAVID HOTT . . . . . MORGANTOWN
A.B., West Virginia University, 1923.

MILDRED MATILDA HUTCHINSON . . . WELCH
A.B., West Virginia University, 1922.

ADAH LEE MAPEL . . . . . MORGANTOWN
A.B., Beaver College.

SIDNEY LAMONT MCGEE . . . . . MORGANTOWN
A.B., West Virginia University, 1922.

LEOTA OWENS . . . . . ROSEMONT
A.B., West Virginia Wesleyan College, 1918.

JOHN EARL PETERS . . . . . ATHENS
A.B., West Virginia University, 1923.

EDITH MARION STEVENS . . . . . MORGANTOWN
A.B., West Virginia University, 1921.

HARRY JEREMIAH STUCKEY . . . . . HEDGESVILLE
A.B., West Virginia University, 1916.

MARY GAIL TYREE . . . . . ELKINS
A.B., Davis and Elkins College.

WALTER VANCE . . . . . ROARING
A.B., West Virginia University, 1917.

FLORA FELTON ZIMMERMAN . . . . . MORGANTOWN
A.B., West Virginia University, 1920.

MASTER OF SCIENCE.

HARRY HILL . . . . . CLAYTON
A.B., West Virginia University, 1922.

VICTORIAN SIVERTZ . . . . . MORGANTOWN
B.S., University of Washington, 1922.

MASTER OF SCIENCE IN CHEMICAL ENGINEERING.

CLARENCE RUSSELL MAHANEY . . . . MORGANTOWN
B.S.Ch.E., West Virginia University, 1923.

CIVIL ENGINEER.

HALLECK MCGINNIS SCOTT . . . . . BECKLEY
B.S.C.E., West Virginia University, 1909.

ELECTRICAL ENGINEER

THOMAS WITT FITZGERALD . . . . . ATLANTA, GA.
B.S.M.E., West Virginia University, 1909.

MASTER OF SCIENCE IN AGRICULTURE.

JAMES MARSHALL DEPUE . . . . . SPENCER
B.S.Agr., West Virginia University ,1922.
JOSEPH BRASHEAR DIXON . . . . . MORGANTOWN
B.S.Agr., West Virginia University, 1922.

BACHELOR OF ARTS.

KATIE BELLE ABNEY . . . . . CHARLESTON
MARY LOUISE BENNETT . . . . . MORGANTOWN
MARGUERITE BOWERS . . . . . CARROLLTON, MO.
CHAUNCEY HOYT BROWNING . . . . . LOGAN
BONNIE BEVA BUSH . . . . . COX'S MILLS
JENNIE LENORE CAIRNS . . . . . CHARLESTON
MARY BLANCHE CAMPBELL . . . . . MORGANTOWN
ROBERT GLENN CAREY . . . . . TORONTO, OHIO
CHESNEY MICHAEL CARNEY . . . . . WHEELING
EDITH FRANCIS CASTLEBERRY . . . . . HUNTINGTON
DOROTHY VIRGINIA CHURCH . . . . . GRAFTON
ASA CLARK . . . . . MORGANTOWN
VIRGINIA CRAWFORD . . . . . SISTERSVILLE
PAUL JONES DAUGHENBAUGH . . . . . THOMAS
ANTONIO PETRILLO DIMARIA . . . . . MANYAKA
ROBERT TUCKER DONLEY . . . . . MORGANTOWN
THERESA AVERIL DOWER . . . . . POINT PLEASANT
HELEN LOUISE EDMONDSON . . . . . MORGANTOWN
ARLINE ISIS ENGLAND . . . . . CHARLESTON
EUGENE CHARLES ETZ . . . . . WHEELING
MILTON CARR FERGUSON . . . . . HUNTINGTON
DANA EARL FISHER . . . . . MORGANTOWN
MARY ELIZABETH FISHER . . . . . SUTTON
FLORENCE ROSALYN FLEMING . . . . GRAFTON
ALTON REE FORTNEY . . . . . THOMAS
EDWARD METCALF GEORGE . . . . . WELLSBURG
BERTHA IRENE GIDLEY . . . . . MORGANTOWN
CLELLA MAUDE GIFFORD . . . . . WILSONBURG
LAVIE ANICE GOTT . . . . . PRINCETON

Joseph William Greer	Fairmont
Norvell Leonard Haislip	Wheeling
Grace Hale	Weston
Stephen Harrick	Punxsutawney, Pa.
Leona Lyle Hatcher	Beckley
Myrtle Vance Hayes	Morgantown
Arthur Benedict Hechmer	Grafton
Glenna Elizabeth Hedrick	Alderson
John Franklin Heflin	West Union
George Dana Herold	Summersville
Areta Eudora Hicks	Webster Springs
Virginia Ruth Hines	Sutton
Scott Hough	Wellsburg
Eva Florence Hughes	Parkersburg
Mabel Pemberton Humphreys	Morgantown
Frank Robert Jamison	Fairmont
Georgia Garnet Jamison	Morgantown
June Lilly John	Morgantown
Carl Edward Johnson	Thomas
Gladys Johnson	Alderson
Russell Ruddell Johnson	Fairmont
Sarah Herma Johnson	Kenova
Earl Francis Johnston	Morgantown
Ruth Helene Johnston	Morgantown
Geraldine Kane	Weston
John Kaylor, Jr.	Graham Station
Oliver Dennis Kessel	Ripley
George Thomas Knode	Shepherdstown
Kenneth Swan Kurtz	Weston
James Tamplin Laing	Charleston
Rebecca Louise Lashley	Cumberland, Md.
Bert Gray Lawrence	Maybeury
Lena Lawson	Williamson
Edis Eleanor Lazear	Mannington
Jane Florence Lazenby	Princeton
Anna Virginia Lewis	Morgantown
Charles Marion Love, Jr.	Huntington
Martha Madeira	Morgantown
Lucille Josephine Mathews	Charleston
Wayne Eldon Mason	Moundsville
Lena Griffin McBee	Morgantown
Alice Virginia McGranahan	Wheeling
Herbert Joseph McMurrer	Charleston
Tencie Pauline McNinch	Moundsville
Zelma Mercer	Moundsville

JAMISON MEREDITH	CHARLESTON
JESSIE HARPER MEREDITH	FAIRMONT
MILDRED ANN MEREDITH	FAIRMONT
MARY VIRGINIA MICHAEL	MARTINSBURG
MARY MAYWOOD MILLIGAN	SAINT ALBANS
FRED OSCAR MITCHELL	WELCH
MARY SUSAN MONTGOMERY	KINGWOOD
MARY VIVIAN MORTON	WEBSTER SPRINGS
RACHEL ESTELLA NEWELL	CHESTER
MARJORIE WILLARD OSBORNE	DAVIS
CATHARINE LITTLE PALMER	POUGHKEEPSIE, N. Y.
DANIEL HENRY PERDUE	SWICHBACK
GENEVA GLADYS BECK PFOST	MORGANTOWN
HALE JUDSON POSTEN	MORGANTOWN
LILLIAN POSTEN	MORGANTOWN
LUCY HUTTER RAGLAND	BECKLEY
COLIN WYLAND REITH	MORGANTOWN
EDYTHA ANNIE RIERSON	BLUEFIELD
LILLIAN ELAINE RINARD	GRAFTON
OLA ROBBINS	MANNINGTON
HAZEL VAN DYKE ROBERTS	ELIZABETH
WILLIAM ERNEST ROBERTS	SAINT ALBANS
HETTYE MARIAN ROBERTSON	BECKLEY
LUCY BURTON ROSSEY	ATHENS
ESTELLE ROWE	MORGANTOWN
HELEN BEATRICE RUFENER	MORGANTOWN
JOSEPH WHITNEY SAVAGE	CHARLESTON
EVELYN SUE SHAID	ELKINS
FLORENCE ANN SHAID	ELKINS
MARY MARSHALL SHIRLEY	UNION
HENRIETTA MARGARET SHORE	KEYSER
RUTH OLIVE SMITH	GRAFTON
THOMAS EDGAR SPRINGER	FAIRMONT
HAROLD EUGENE STARCHER	RIPLEY
SUSAN FRANCES STAVELY	GRAFTON
HAZEL ROBERTS STRAIGHT	MANNINGTON
RUAL BOWER SWIGER	FAIRMONT
EDWARD STRICKLER TALBOTT	PHILIPPI
HARRY REEVES TAYLOR	KEYSER
GENEVIEVE TIERNEY	WESTON
WALTER HOWARD VICKERS	MORGANTOWN
JANE RUSSELL WALKER	WELLLSBURG
PAUL BLACKBURN WARE	PHILIPPI
PAUL WILLIAM WATSON	TUNNELTON
SARA MORGAN WATTS	FAIRMONT

Charles Edward Weakley, Jr.	Morgantown
Mary McKinney Weaver	Morgantown
Dorothy Stone White	Morgantown
James Horn White	Richwood
Lyall Luther White	Morgantown
Margaret Katherine Wieda	Moundsville
Madelyn Williams	Welch
Veta Lee Williams	Morgantown
Varina Maree Wilson	Hinton
Rose Jean Wolfe	Morgantown
Carey Woofter	Dekalb

BACHELOR OF SCIENCE.

Raymond Evan Bailey	Hamlin
Douglas Joseph Barry	Beacon, N. Y.
James William Stanton Calvert	Morgantown
Charles Dewey Crandall	Parkersburg
Newman Houghton Dyer	Morgantown
Paul Menton Eicks	Belmar, N. J.
Jose Forastieri	Caguas, P. R.
Kent Kato Hammond	West Union
Roscoe R., Hansford	Mount Clare, Pa.
Harold Charles Harper	Wheeling
John Gibson Hill	Charleroi, Pa.
Abraham Julius Hollander	Brooklyn, N. Y.
George Bernard Hudock	Oliver, Pa.
Philip Johnson	Ronceverte
Benjamin Kaufman	New York, N. Y.
Harry Chauncey Kendall	Morgantown
William Joseph Killius	Johnstown, Pa.
Max Kliger	New York, N. Y.
John Alexander Krosnoff	Cokeburg, Pa.
Paul David Luckey	Morgantown
Louis Julius Marcus	Cleveland, Ohio
John William Marsh	Warwood
John Alexander McCurdy	Elm Grove
Azby Alexander Milburn	Bellepoint
Hu Crim Myers	Philippi
Harry Nemens	New York, N. Y.
John Wylie Pyles	New Martinsville
Thomas Godfrey Reed	Moorefield
Roy McKinley Rhodes	Williamson
Harry West Rollings, Jr.	Lost City
Emanual Roth	Brooklyn, N. Y.
Joseph Kins Rowland	Mona

SIMON YOUNG SALTMAN . . . . . MANHATTAN, N. Y.
FRANCIS HAROLD STOUP . . . . . VALENCIA, PA.
ERSIE VAN TEAGARDEN . . . . . CAMERON
SEVERO TORRUELLAS . . . . . CAGUAS, P. R.
WILLIAM FRANK WORK . . . . . BLUE CREEK
HAROLD GLYNN YOUNG . . . . . MOUNDSVILLE

GRADUATE IN PHARMACY.

HAROLD GEORGE BRANNEN . . . . . BENWOOD
DAWSON ELMER COOPER . . . . . HINTON
HERMAN ELLSWORTH DEEM . . . . . PARKERSBURG
ROBERT REGINALD HAMILTON . . . . . PUNXSUTAWNEY, PA.
GORDON FLOYD HUTCHISON . . . . . NEW MARTINSVILLE
JOHN WESLEY MILLER . . . . . WEBSTER SPRINGS
ROBERT JOSEPH MLEKUSH . . . . . THOMAS
URIAH NEWTON ORR . . . . . KINGWOOD
CECIL LYLE RAMSEY . . . . . FAYETTEVILLE
DONALD EDWARD TEETS . . . . . BALTIMORE, MD.
GLENN CHISHOLM WEBER . . . . . SAINT MARYS

BACHELOR OF SCIENCE IN PHARMACY.

PAUL EDMUND HAGER . . . . . CHARLESTON

BACHELOR OF LAWS.

JAMES LEE ANDERSON . . . . . LITTLETON
JAMES FRANCIS BURNS . . . . . FAIRMONT
EVERETT LEWIS DODRILL . . . . . MORGANTOWN
A.B., West Virginia University, 1923.
JOHN DIXON DOWNES . . . . . BUCKHANNON
COLEMAN ALEXANDER HATFIELD . . . . MORGANTOWN
BERNARD LEO HESS . . . . . CLARKSBURG
HAROLD CLARE HESS . . . . . MANNINGTON
WILLIAM BRUCE HOFF . . . . . PARKERSBURG
WILLIAM MCKINLEY HOLROYD . . . . ATHENS
KATHRYN VIRGINIA JENKINS . . . . . MORGANTOWN
EDMUND MARSHALL . . . . . NEW CUMBERLAND
WILLIAM DELES MCCAULEY . . . . . MOOREFIELD
WILLIAM OTTO ORR . . . . . MORGANTOWN
FORREST BLANCHARD POLING . . . . . PHILIPPI
DAYTON REUBEN STEMPLE . . . . . PHILIPPI
ROSCOE SHIRLEY TAYLOR . . . . . MORGANTOWN
HOWARD JESSE WADSWORTH . . . . . MORGANTOWN
A.B., West Virginia University, 1923.
JOHN PAUL YOST . . . . . PONTIAC, ILL.
Ph.B., University of Chicago, 1920.

BACHELOR OF SCIENCE IN CIVIL ENGINEERING.

VIRGIL FRANKLIN BOWYER	WHITE SULPHUR SPR'GS
RANDOLPH HENRY BUTTS	WHEELING
CHARLES STEPHENSON CARDEN	WESTON
JAMES CARLOS EVANS	KERMIT
RALPH HERMAN HALL	HARRISVILLE
PAUL AMOS SMITH	WEST UNION
HARRY HOLFERSTAY STEPHENS	MARTINSBURG
LAWRENCE JOSEPH WEILER	MORGANTOWN
CLYDE VICKERS WHITE	MORGANTOWN

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING.

ESTIL LEROY AYERS	PIEDMONT
HAROLD GUILFORD DUDLEY	SISTERSVILLE
BURHYL TILMAN HENRY	MORGANTOWN
JOSEPH LAWRENCE PUGH	MORGANTOWN
HERMAN BEE RIGGLE	MIDDLEBOURNE
HAROLD ENGLE RIGGLE	MIDDLEBOURNE
HAROLD WILLIAM RODGERS	CLARKSBURG
KARL FREDERICK SOMMER	SUTTON

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING.

NICHOLAS BARONE	HOLIDAY'S COVE
ROBERT HAYES BOYERS	MORGANTOWN
ORAL ALA BROWN	STOUT'S MILLS
JAMES SAMUEL COPLEY	LOGAN
CHARLES NORMAN DAVIS	MORGANTOWN
STINE ROLAND HALL	PARKERSBURG
CHARLES EDGAR HUTCHINSON	MORGANTOWN
REUBEN LEE	RILEY
GUY ARTHUR MOFFETT	WESTON
IRA ODELL MYERS	GRAFTON
ROBERT KIRK PARK	RAVENSWOOD
IRA ALBERT PITSENBERGER	POOL
LLOYD GARRISON PORTER	OAK HILL
GRIFFITH CYRIL PUGH	MORGANTOWN
CHARLES SNYDER	HUNDRED
WILLIAM GRAFTON STEELE	WHEELING
LEE DOUGLAS TABLER	MARTINSBURG
ARNOLD AUSTIN WINTER	SAINT ALBANS

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING.

JOSEPH BEKENSTEIN	CHARLESTON
FRANK BURDETTE	LEWISBURG
WAYNE ZEARLEY FRIEND	CHARLESTON
JOHN PAUL JONES	FAIRMONT
LESTER HENDERSON KINCAID	RAMSEY
PAUL BENTON SELBE	SAINT ALBANS
RANDOLPH CHILLIAN SPECHT	SAINT ALBANS

BACHELOR OF SCIENCE IN ENGINEERING OF MINES.

JOHN LEWIS ORR	CLARKSBURG

BACHELOR OF SCIENCE IN INDUSTRIAL EDUCATION.

JOHN WILLIAM SANDER	WHEELING

BACHELOR OF SCIENCE.

WALTON ALLEN CARNEY	MIDDLEPORT, OHIO
STEWART EAGAN	RONCEVERTE
JOHN BOYLES HALLAM	MCKEESPORT, PA.
WILLIAM BREW HOPKE	GRAFTON
DAVID FRANCIS WAYT	WEST LIBERTY

BACHELOR OF SCIENCE IN AGRICULTURE.

ORIN JENNINGS BEARD	POINT PLEASANT
JAMES STERLING BOBBITT	ALMORIS
CLYDE BONAR	BELLEVILLE
LELAND BOOTH	BELINGTON
ARLO BOWLBY CARROLL	MORGANTOWN
RAYMOND LEWIS DENNISON	WALLACE
LUKE WRIGHT FRAME	MORGANTOWN
WILLIAM MCKINLEY GARRISON	MOUNDSVILLE
JOHN LYNN HARE	MORGANTOWN
PERCY CAMDEN KARICKHOFF	BUCKHANNON
VIRGINIA LEE MAXWELL	BUCKHANNON
PAUL EDGAR MCCOY	LETART
FLOYD MCDANIEL	MORGANTOWN
EDDIE BRISON PHARES	RIVERTON
JAMES ROBERT PORTER	WESTON
CHARLES SANFORD PRICE	MORGANTOWN
BERNARD FREDERICK RAMSBURG	WESTON
HOSEA RALPH RYMER	HARRISVILLE
LLOYD CARLTON SHOMAKER	MORGANTOWN

John James Shore, Jr.	Parkersburg
Alexander Walker Short, Jr.	Ashland, Ky.
Sherman Smith	Morgantown
Arthur Gail Snyder	Sabraton
French Steele	Saint Marys
Glenn Merrill Wright	Core

BACHELOR OF SCIENCE IN HOME ECONOMICS

Anna Elizabeth Baird	Elm Grove
Katie Kennedy Baker	Sabraton
Nina Elizabeth Hall	Spencer
Edith Barnes	Morgantown
Madelon Virginia Blatchford	Belington
Eva Gertrude Boggs	Big Otter
Virginia Maude Browning	Morgantown
Mary Hope Bush	Cox's Mills
Winnie Elizabeth Gorman	Morgantown
Amy Catherine Graham	Fairmont
Wilda Beatrice Hoard	Morgantown
Pauline McMillen	Moundsville
Lesta Howard Megrail	Morgantown
Eleanor Shafer Miller	Terra Alta
Mabelle Alma Patton	Gap Mills
Frances Elizabeth Reynolds	Grape Island
Pearl Alda Risher	Morgantown
Alberta Viola Schramm	Keyser
Mary Jeannette Schultz	Morgantown
Gladys May Scranage	Grafton
Francis Catherine Sprigg	Holly
Elsie Bartlett Swecker	Morgantown
Edna Virginia Tarleton	Watson
Gladys Twyla Ward	Charleston
Beuna Madge Williams	Bridgeport

ARTIST'S DIPLOMAS, VOICE.

Gail Elizabeth Muhlman	New Martinsville

ARTIST'S DIPLOMA, PIANO

Isabelle Alberta Bevington	Morgantown
Ralph West Federer	Morgantown
Ruth Fairfax Parker	Morgantown

TEACHER'S CERTIFICATE, PIANO

FONDA VALERA HALL	MORGANTOWN
ETHEL GORDON MURRILL	HUNTINGTON
CLARA ERNESTINE REED	MORGANTOWN
ELIZABETH ESTELLE REED	MORGANTOWN

TEACHER'S CERTIFICATE, PUBLIC SCHOOL MUSIC

ELMA PEARLE GREGORY	COWEN
CECILLA ELVADELE JAMES	FOLLANSBEE
MINERVA DOUGLAS LAWSON	ELKINS
KATHARINE AUDREE MOORE	FAIRMONT
RUTH FAIRFAX PARKER	MORGANTOWN

Candidates for Degrees[1]

Summer School. 1924

MASTER OF ARTS.

William Emmett Buckey . . . . . Fairmont
A.B., West Virginia University, 1921.

Alma Grace Eaton . . . . . Morgantown
A.B., Blackburn College, 1916.

Strauss Reger Wood . . . . . Reader
A.B., Bethany College, 1919.

Florence Anna Wright . . . . . Cameron
B.S., Ohio State University, 1916.

MASTER OF SCIENCE IN AGRICULTURE.

Kyle Chester Westover . . . . . Morgantown
B.S., New Hampshire College, 1917.

BACHELOR OF ARTS.

Thomas Tess Callaghan . . . . . Craigsville
Ida Virginia Carter . . . . . Elm Grove
Berlin Basil Chapman . . . . . Webster Springs
Vannetta Chambers . . . . . Martinsburg
Mildred Frances Cody . . . . . Elkins
Earl Leora Dailey . . . . . Morgantown
Eunice Pennington Dolley . . . . . Gastonia, N. C.
Edward Enigson . . . . . Morgantown
Elizabeth Louise Fanagan . . . . . Huntington
Helen Elizabeth Hunter . . . . . Morgantown
Matilda Lorentz . . . . . McMechen
Stefani Roesch Lowther . . . . . Morgantown
Mary Eilleen McNeill . . . . . Morgantown
Wilda Lea Montgomery . . . . . Morgantown
William Taylor Reed . . . . . Morgantown
Hiram Kent Sine . . . . . Blacksville
Alexander Stout . . . . . Clarksburg
Ruth Strieby . . . . . Elkins
Forrest Noble Stuckey . . . . . Martinsburg
William Calvin Washington . . . . Morgantown
John Robert Waters, Jr. . . . . Elkins

[1]The students named below completed the work required for their respective degrees during the summer school session but their diplomas bear the date of June 3, 1924, and they are regarded as members of the graduating class of 1924.

GLADYS SNYDER WAUGH . . . . . MORGANTOWN
HARRY DEAN WILFONG . . . . . GLENVILLE
MAURICE KENNETH WILCOX . . . . . WEST UNION
JOHNATHAN HOLLIS WILSON . . . . . BLAINE
ETHEL FAE WRIGHT . . . . . CAMERON
RUSSELL ESHMEL WRIGHT . . . . . MONONGAH

BACHELOR OF SCIENCE.

RAYMOND HAILE CURRY . . . . . HAMLIN
HARRY SIDNEY ROSENBERG . . . . . NEW YORK, N. Y.
CRAMAN IRA MARTIN . . . . . MAYSVILLE
EUGENE JOEL SCHACHTER . . . . . NORTH BRADDOCK, PA.

BACHELOR OF SCIENCE IN CIVIL ENGINEERING.

HOBART GRAHAM SHREWSBURY . . . . CHARLESTON

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

RAYMOND JEFFERSON TENNANT . . . . MORGANTOWN

BACHELOR OF SCIENCE IN ENGINEERING OF MINES.

JOSEPH LOUIS SETRON . . . . . PARKERSBURG

BACHELOR OF SCIENCE IN AGRICULTURE.

MANUAL ALVAREZ . . . . . CAGUAS, P. R.
THEODORIC EDWARDS BLAND . . . . . WESTON
HUBERT BERYL DAVIS . . . . . WESTON
WILLIAM GLEEN FISHER . . . . . FLATWOODS
GEORGE RUSSELL GIMBERT . . . . . OCEANA, VA.
THOMAS CARLYLE MARTIN . . . . . MORGANTOWN
PAUL NOBLE SHAFER . . . . . INDEPENDENCE

BACHELOR OF SCIENCE IN HOME ECONOMICS.

EMILY JOSEPHINE MORGAN . . . . . MORGANTOWN

Address List of Faculty and Staff

NOTE: The date following the name indicates the year of appointment to the present position. When a second date is given it indictes the year of first appointment on the University staff. The telephone number follows the Morgantown street address.

ABBOTT, ELIZABETH B., Preceptress of the Woman's Hall Annex; 1923; 1919; 247 Willey Street; 258.

ALLEN, HOWARD BUSHNELL, M.S., (Cornell 1920); Associate Professor of Agricultural Education; 1920; 347 Price Avenue; 1127R.

AMBLER, CHARLES HENRY, Ph.D., (Wisconsin 1908); Professor of History; 1920; 1917; 128 Simpson Street; 1450J.

AMIDON, LEE LEONARD, B.S.M.E., (Minnesota 1923); Instructor in Steam and Experimental Engineering; 1923; 21 Wilson Avenue; 571J.

AMMONS, NELLIE PERREL, A.B., (W. V. U. 1917); Instructor in Botany; 1920; 547 Hunt Street; 221M.

ANDREWS, EDGAR LEWIS, B.S.Agr., (Cornell 1898); Associate Professor of Poultry Husbandry; 1917; 1913; North Willey Street; 880M.

ANGELO, ERNEST, B.S.Agr., (W. V. U. 1919); Instructor in Horticulture and Assistant Horticulturist in the Experiment Station; 1919; 285 Richwood Avenue; 1361M.

ANTHONY, ERNEST LEE, M.S., (University of Pennsylvania 1914); Professor of Dairy Husbandry and Head of the Department of Dairy Husbandry in the Experiment Station; 1919; State Dairy Farm; 514R.

ARMENTROUT, WALTER W., B.S.Agr., (University of Tennessee); Instructor in Farm Economics; on leave of absence.

ARMSTRONG, ROBERT ALLEN, A.M., (Harvard 1903); L.H.D.; Professor of English Language and Literature; Head of Department of English; 1903; 1893; 732 College Avenue; 29R.

ARNETT, LONNA DENNIS, Ph.D., (Clark University 1903); Librarian; 1910; 11 Grant Avenue; 368R.

ARRINGTON, WINFREE LLOYD, Instructor in Mining Extension; 1924; Hot Coal, West Virginia.

ATKESON, THOMAS CLARK, Ph.D., (Central Normal College 1891); Professor of Animal Husbandry, Emeritus; 1914; Washington, D. C.

ATWOOD, HORACE, M.S.Agr., (Cornell 1893); Poultryman, Experiment Station; 1916; 1897; 110 Charles Avenue; 455J.

BAILEY, RAYMOND, B.S., (W. V. U. 1924); Instructor in Anatomy; 1924; 312 Cobun Avenue; 292.

BAIRD, JOSIAH WALLACE, Student Assistant in Dairy Husbandry; 1924; 461 Virginia Avenue.

BANCROFT, GEORGE RUSSELL, Ph.D., (Yale. 1917); Professor of Medicine; 1920; 1923; 26 Lincoln Avenue; 654J.

BARBE, WAITMAN, A.M., (W. V. U. 1890); Litt.D.; Director of the Summer School and Professor of English; 1911; 1895; Anderson Place; 308J.

BARCLAY, BERTRAM D., B.S., (Wooster, 1923); Instructor in Botany; 1924; 281 Franklin Street; 259J.
BARKER, MYRON IRVING, A.B., (Cornell, 1923); Instructor in Romance Languages; 1924; Faculty Club; 12R.
BARTLETT, JOHN FRANK, Student Assistant in Chemistry; 1923; 308 First Street; 1756.
BELL, EUGENE WILLIAM, Instructor in Mining Extension; 1923; Mordue, W. Va.
BERG, ANTHONY, M.S., (Wisconsin, 1922); Assistant Plant Pathologist, Experiment Station; 1913.
BERGY, GORDON ALGER, Ph.C., M.S., (Michigan, 1916); Professor of Pharmacy; 1921; 1916; 308 Park Street; 1166R.
BEYER, EDITH WILSON, R.N., (Jefferson Medical College Hospital); University Nurse; 1923; University Health Center; 475.
BINNS, THOMAS JOHN, Instructor in Mining Extension; 1923; Pemberton, W. Va.
BISHOP, CHARLES EDWARD, Ph.D., (Leipsic, 1889); Professor of Greek Language and Literature; 1911; 191 McLane Avenue; 1654.
BLACK, ETHEL BORDEN, (New England Conservatory of Music, 1901); Instructor in Piano; 1917; 109 McLane Avenue; 495.
BLACK, LOUIS, Director of the School of Music; 1909; 109 McLane Avenue; 495.
BLUMENBERG, HUGO, Student Assistant in Economics; 1924; 80 S. High Street; 865R.
BOOMSLITER, GEORGE PAUL, M.S., (Illinois, 1914); Professor of Mechanics; 1920; 21 Wilson Avenue; 571J.
BONAR, MARTIN LOXLEY, M.D., (Western Reserve, 1918); Professor of Pharmacology; 1920; R. F. D. 4; 12F4.
BOONE, ROY ELLIOTT, Student Assistant in Chemistry; 1923; 23 Naomi Street; 1307W.
BOUGHNER, JENNIE DELAWDER, A.B., (W. V. U., 1912); Assistant Librarian; 1915; 705 North Willey; 984J.
BOURNE, WARREN SCUDDER, A.B., (W. V. U., 1923); Assistant in Zoology; 1922; 14 Jacobs Street.
BRAY, CHARLES McCHESNEY, M.D., (Western Reserve, 1918); Instructor in Physical Diagnosis; 1919; Euclid Avenue; office telephone, 1233.
BROOKS, CHANDLER LINN, Superintendent of Buildings and Grounds; 1917; 779 North Front Street; 311W.
BROWN, SAMUEL BOARDMAN, A.M., (W. V. U., 1886); Professor of Geology and Mineralogy; 1892; 1890; 640 North High Street; 796J.
BROWN, SHERMAN WILLIAM, M.A., (Oberlin, 1924); Instructor in Spanish; 1924; Faculty Club; 12R.
BROWN, WILLIAM JAMES, Student Assistant in Chemistry; 1923; 261 East Prospect Street; 801R.
BUCHANAN, MARGARET, Ph.D., (Bryn Mawr, 1922); Assistant Professor of Mathematics; 1922; 145 Waitman Street; 1557J.
BUCHANAN, PAUL STUART, A.B., (Wooster, 1917); Instructor in Public Speaking; Stewart Street; 1022J.
BUTLER, KATHARINE, B.A., (Mt. Holyoke, 1920); General Secretary Young Women's Christian Association; 1923; 5 Forest Avenue; 862J.
BUTMAN, MARGARET ELIZABETH, (New England Conservatory, 1914); Instructor in Piano; 1922; 12 Hunt Street; 1109R.

CALLAGHAN, EULAI BROOKS, Student Assistant in Chemistry; 1924; 2141 University Avenue; 1395J.
CALLAHAN, JAMES MORTON, Ph.D., (Johns Hopkins, 1897); Professor of History and Political Science and Dean of the College of Arts and Sciences; 1916; 1902; 632 Spruce Street; 1488R.
CALVERT, EVERLY G., Assistant in Mechanical Engineering; 1922; 326 Jefferson Street.
CAMPBELL, JOHN F., B.S., (Rutgers, 1921); Field Instructor, U. S. Veterans' Bureau; 1923; 316 S. Second Street, Clarksburg, W. Va.
CANNADAY, CHARLES BENTON, A.M., (Roanoke College, 1898); Professor of Latin; 1916; 1914; 227 Hagan's Avenue; 1167R.
CARL WILLIAM JOHN, Instructor in Foundry Practice; 1920; 107 Green Street; 1042R.
CARLIN, LEO, A.B., LL.B., (W. V. U., 1909, 1910); Professor of Law; 1920; 1916; 27 Wilson Avenue; 282R.
CARPENTER, LEWIS VAN, B.S.C.E., (W. V. U., 1918); Instructor in Structural and Hydraulic Engineering; 1923; 225 Price Street; 1628R.
CARROLL, ARLO BOWLBY, B.S.Agr., Field Instructor, U. S. Veterans' Bureau; Cheat Haven, Pa.
CARNEY, EMERSON, Manager University Book Store; 1923; 237 Richwood Avenue; 65J.
CARTER, IDA VIRGINIA, Assistant Librarian; 1923; 200 McLane Avenue; 715R.
CATHER, CARL HENRY, M.S., (Illinois, 1922); Assistant Professor of Mechanics; 1924; 1916; Price Street; 1230J.
CATHER, HAROLD MALCOLM, M.S.M.E., (Texas A. and M. College, 1917); Instructor in Drawing; 1919; 446 Spruce Street; 1489J.
CAVINS, LORIMER VICTOR, Ph.D., (Chicago, 1924); Professor of Education; 1919; 508 Grand Street; 411.
CHAPPELL, LOUIS WATSON, M.A., (University of Virginia, 1921); Instructor in English; 1922; 101 Richwood Avenue.
CHIDESTER, FLOYD EARLE, Ph.D., (Clark University, 1911); Professor of Zoology; 1923; 1919; 329 Demain Avenue; 923J.
CHITWOOD, OLIVER PERRY, Ph.D., (Johns Hopkins, 1902); Professor of History; 1907; 312 Park Street; 683W.
CLARK, FRIEND EBENEZER, Ph.D., (Johns Hopkins, 1902); Professor of Chemistry; 1914; 649 Spruce Street; 830J.
COCHRANE, THOMAS JOSEPH, B.S., (New Hampshire, 1919); Junior Chemist, Agricultural Experiment Station; 1920; 145 Waitman Street; 1557J.
COCHRANE, ISABELLE LOWE, B.S., (Columbia, 1922); Instructor in Home Economics; 145 Waitman Street; 1557J.
COLLETT, ARMAND RENE, Ph.D., (Yale, 1923); Instructor in Chemistry; 1924; 1090 Charles Avenue; 455J.
COLWELL, RACHEL HARTSHORN, M.A., (Columbia, 1905); Professor of Home Economics; 1920; 1910; 1464 University Avenue; 812M.
COLWELL, ROBERT CAMERON, Ph.D., (Princeton, 1819); Professor of Physics; 1924; 1918; 332 Demain Avenue; 885J.
CONLEY, J. D., Superintendent of the Livestock Farm; Stewartstown Road; 10F22.
COOPER, THEODORE, Student Assistant in Zoology; 1924; 504 High Street; 1414R.
CORNELL, FERRIS DEWEY, JR., M.S., (Cornell, 1923); Instructor in Farm Mechanics; 1921; 19 McLane Avenue; 1219.

COX, JOHN HARRINGTON, Ph.D., (Harvard, 1923); Professor of English Philology; 1904; 1902; 34 Campus Drive; 563J.

COX, JANE, Student Assistant in Psychology; 1924; 230 Kirk Street; 1204.

CRAIG, FRANK WALDO, B.S.Agr., (W. V. U., 1923); Assistant in Entomology; 1924; 521 Locust Avenue; 1489W.

CRANE, DEE, Potato Specialist, Agricultural Extension staff; 1917; Jacob Street; 804J.

CRANE, HARLEY LUCIUS, M.S.Agr., (W. V. U., 1918); Associate Professor of Horticulture and Associate Horticulturist, Experiment Station; 1920; 1914; 508 Jefferson Street; 1199W.

CRAWFORD, ADAM, Assistant Director of Mining Extension; 1923; 1920; 258 First Street; 869J.

CRAWFORD, THOMAS STEPHEN, Student Assistant in Mathematics; 1924; 305 Stewart Street; 869J.

CREECH, BENJAMIN FRANKLIN, B.S.Agr., (University of Kentucky, 1917); Live Stock Specialist, Agricultural Extension Staff; 1919; 184 Spruce Street; 1663.

CUNNINGHAM, HOLBY ESTIL, Ph.D., (Chicago, 1918); Professor of Philosophy; 1923; Faculty Club; 12R.

CURRENCE, TROY MANSELL, B.S.Agr., (W. V. U., 1923); Instructor in Horticulture; 495 High Street; 12R.

CURRY, RAYMOND HAILE, B.S., (W. V. U., 1924); Instructor in Pathology and Bacteriology; 1924; 343 Prospect Street; 982R.

DADISMAN, ANDREW JACKSON, Ph.D., (Cornell, 1924); Professor of Rural Economics and Farm Management and Farm Economist, Experiment Station; 1924; 1916; 305 Beverly Avenue; 873J.

DARBY, ARLEIGH LEE, A.M., (Waynesburg College, 1904); Professor of French and Italian; 1920; 1910; 487 High Street; 833J.

DAVIES, EARL CLAUDIUS HAMILTON, Ph.D., (Chicago, 1917); Associate Professor of Chemistry; 1920; 255 Richwood Avenue; 435J.

DAVIS, ROLAND PARKER, M.C.E., Ph.D., (Cornell, 1908, 1914); Professor of Structural and Hydraulic Engineering; 1912; 1911; 333 Demain Avenue; 263J.

DAVIS, HANNIBAL ALBERT, A.B., (W. V. U., 1923); Assistant in Mathematics; 461 Virginia Avenue.

DEAHL, JASPER NEWTON, Ph.D., (Columbia, 1906); Professor of Education; 1901; 442 Park Street; 1168J.

DEAHL, KENNETH, Student Assistant in Surveying; 1923; 2126 University Avenue.

DEARBORN, HARLEY L., Sergeant U. S. Infantry (D.E.M.L.); Assistant to Professor of Military Science and Tactics; 1921; 14 McLane Avenue.

DEATRICK, LILY BELL SEFTON, Ph.D., (Ohio State, 1921); Assistant Professor of Chemistry; 1920; on leave of absence.

DEATRICK, EUGENE PEYTON, Ph.D., (Cornell, 1917); Associate Professor of Soils and Soil Technologist, Agricultural Experiment Station; 1921; Stewartstown Road; 10F14.

DELLIGATTI, FRANK, (Royal Conservatory, Naples, 1919); Instructor in Violin and Ensemble; 1923; Waitman Street.

DEVORE, LELAND S., Major Infantry U. S. A. (D.O.L.) (U. S. M. A., 1913); Professor of Military Science and Tactics and Commandant of Cadets; 1923; 308 Morris Street; 1319R.

DICKINSON, EDMUND CHARLES, A.B., (Earlham College, 1903); J.D., (Michigan, 1911); Professor of Law; 1921; 58 Campus Drive; 319J.
DILLE, LUCY BELTZHOOVER, Assistant in Vocal Music; 1921; 245 Pleasant Street; 848R.
DODD, DAVID ROLLIN, B.S.Agr., (W. V. U., 1914); Agronomy Specialist, Agricultural Extension Staff; 1919; 59 Maple Avenue; 681W.
DODDS, GIDEON STANHOPE, Ph.D., (University of Pennsylvania, 1910); Associate Professor of Histology and Embryology; 1920; 1918; 15 Brown Street; 1267R.
DORSEY, MAXWELL JAY, Ph.D., (Cornell, 1913); Professor of Horticulture and Horticulturist of the Agricultural Experiment Station; 1921; 104 Jackson Avenue; 1545J.
DRIVER, CHARLES WILLARD, Student Assistant in Chemistry; 1923; 803 High Street; 865R.
DUSTMAN, ROBERT BARCLAY, Ph.D., (Chicago, 1924); Assistant Professor of Chemistry; 1924; 4 Price Street; 692W.

EIESLAND, JOHN ARNDT, Ph.D., (Johns Hopkins, 1898); Professor of Mathematics; 1907; 316 Demain Avenue; 317R.
EDEBURN, PAUL WALKER, B.S.Chem. Eng'g., (Grove City, 1924); Assistant in Chemistry; 1924; 579 Price Street; 1196R.
EDMONSON, HELEN LOUISE, A.B., (W. V. U., 1924); Assistant Librarian; 1924; 360 Brockway; 165R.
ELLIOTT, ALLEN McKINLEY, Student Assistant in Dairy Husbandry; 1924; 792 Willey Street; 1492.
EKE, PAUL AXEL, Ph.D., (Wisconsin, 1923); Instructor in Farm Economics; 1925; 495 North High Street; 1705R.
ELVIKEN, ANDREAS, Cand. Maj., (Christiana, 1921) ;Instructor in History; 1925; 408 Forest Avenue; 175J.

FARREN, JOHN WILLIAM, B.S.Chem. Eng'g., (Grove City, 1923); Assistant in Chemistry; 1924; 579 Price Street; 1196R.
FARRIS, LESTER COLLINS, A.M., (Columbia, 1916); Assistant Professor of English; 1924; 188 Spruce Street; 739R.
FEAR, MARJA STEADMAN, A.B., (Minnesota, 1913); Instructor in Public Speaking; 1919; Spruce Street; 192M.
FIELDS, MORRIS JOSEPH, M.B.A., (Harvard, 1923); Instructor in Economics; 1924; 708 Pearl Street, 1001Y1.
FORMAN, ALEXANDER HARDIE, E.E., (W. V. U., 1908); M.M.E., Ph.D., (Cornell, 1919, 1912); Professor of Electrical Engineering; 1916; 1913; 233 Morris Street; 893M.
FORTNEY, ALTON REE, A.B., (W. V. U., 1924); Assistant in Chemistry; 1924; 1922; 125 Prairie Avenue; 250J.
FORTNEY, CAMDEN PAGE, B.S.C.E., Chief Engineer, State Road Commission, Director of School of Good Roads.
FRAME, NAT TERRY, A.B., (Colgate, 1899); Director of Agricultural Extension; 1914; Price Avenue; 804W.
FRASER, THOMAS, E.M., (University of Illinois, 1921); Assistant Professor of Mining Engineering; 1924; 214 Dewey Street; 104W.
FULMER, LEE; Mechanician in Physics Department; 1924.
FULTON, MARTHA THEODA, A.M., (Columbia, 1923); Dean of Women; Instructor in English; Community Building.
FRIEND, WAYNE ZEARLEY, B.S.Chem. Eng'g., (W. V. U., 1924); Assistant in Chemical Engineering; 692 High Street.

GARBER, RALPH JOHN, Ph.D., (Minnesota, 1921); Professor of Agronomy and Associate Agronomist, Agricultural Experiment Station; 1923; 1920; 309 Stewart Street; 1434M.
GARLAND, CLARENCE EUGENE, Ph.D., (Johns Hopkins, 1923); Instructor in Chemistry; 174 First Street; 563M.
GEORGE, ENOCH FRANKLIN, Ph.D., (Ohio State University, 1920); Associate Professor of Physics; 1920; 751 College Avenue; 311X1.
GIDDINGS, NAHUM JAMES, Ph.D., (Wisconsin, 1918); Professor of Plant Pathology and Plant Pathologist, Experiment Station; 1919; 1908; 36 Campus Drive; 667M.
GIFFORD, WARREN, B.S.Agr., (W. V. U., 1922); Instructor in Dairy Husbandry; 1923; 1922; 229 Grant Avenue; 254M.
GILCHRIST, HUGH C., Captain Inf. U. S. A. (D.O.L.); Assistant Professor of Military Science and Tactics; 1923; 661 Price Street; 1152W.
GILL, JAMES HERBERT, B.M.E., M.E., (Minnesota, 1892, 1894); Professor of Machine Construction and Superintendent of Shops; 1920; 22 Jones Avenue; 869R.
GNAGEY, WILLIAM OLIVER, Instructor in Mechine Shop Practice; 1920; Star City Road; 1498J.
GODDARD, HAZEL MARY, B.S., (Wisconsin, 1924); Assistant in Home Economics; 1924; Community Building; 1692J.
GORMAN, HOWARD J., Assistant Professor of Military Science and Tactics; 686 Grand Street; 481W. Died, April, 1925.
GRAY, THOMAS DAVIS, B.S., (University of Maryland, 1915); Specialist in Horticulture, Agricultural Extension Staff; 1920; on leave of absence.
GREGORY, HENRY CLAY, Student Assistant in the Library; 1924; 409 Penn Avenue.
GRIFFIN, GRACE MARGARET, A.B., (Wisconsin, 1910); Director of Physical Education for Women; 1923; 5 Forest Avenue; 862J.
GRIMES, ARCHIBALD McGREGOR, A.M., (Yale, 1910); Instructor in Spanish; 1923; 748 College Avenue; 692J.
GROW, GEORGE WALTER, B.S.M.E., (W. V. U., 1912); M. S., (Massachusetts Institute of Technology, 1916); Assistant Professor of Machine Design and Construction; 1917; 1912; Star City Road; 1045J.
GRUBER, HARRY NEIGHARD, B.S.Agr., (W. V. U., 1923); Field Instructor, U. S. Veterans' Bureau.
GRUMBINE, HARVEY CARSON, Ph.D., (Munich, 1900); Assistant Professor of English; 1919; 2040 University Avenue. Resigned, April, 1925.
GRUMBEIN, JOHN BEHNY, M.M.E., (Cornell, 1914); Professor of Steam and Experimental Engineering; 1916; 1903; 204 McLane Avenue; 1885.

HAGER, BUENA BRAND, Bookkeeper in the office of the Financial Secretary; 22 Bridge Street; 1156J.
HAISLIP, RICHARD CONNER, Student Assistant in Zoology; 1924; 170 McLane Avenue; 1252.
HALL, ARTHUR ADAMS, M.S.M.E., (W. V. U., 1906); Professor of Electrical Engineering; 1923; 1916; 316 Forest Avenue; 175M.
HALL, CLYDE HAMPTON, Student Assistant in the Library; 1923; University Avenue; 1530W.
HALL, LILLIAN K., Secretary to the Dean of the College of Engineering; 1923; 128 Willey Street; 1218.

HAMMOND, ELMER LIONEL, B.S.Pharm., (Michigan, 1921); Instructor in Pharmacy; 1921; 229 Wilson Avenue.
HARDMAN, THOMAS PORTER, M.A., (Oxford, 1914); J. D., (Yale, 1915); Professor of Law; 1919; 1913; 274 Spruce Street; 1522.
HARDY, IRVIN, M.D., (College of Physicians and Surgeons, 1903); Clinical Professor of Minor Surgery; 1920; 1912; Walnut and Cobun Avenues; 629J.
HARE, ALFRED JARRETT, A.M., (W. V. U., 1902); Professor of Latin and Secretary and Registrar of the University; 1898; 1889; 571 Spruce Street; 870W.
HARKINS, DUNCAN CLAIRE, A.M., (W. V. U., 1923); Instructor of Mathematics; 1923; 1920; 272 Prospect Street; 1277.
HARRIS, THOMAS LUTHER, Ph.D., (Wisconsin, 1912); Professor Sociology; 1923; 1921; 9 Reed Street; 401R.
HARTLEY, CHARLES HENRY, B.S.Agr., (W. V. U., 1917); Assistant Director in Charge of Supplementary Instruction, Agricultural Extension Staff; 1914; "The Flats"; 147R.
HARSHBARGER, FRANCES, A.B., (Grinnell College, 1923); Assistant in Mathematics; 1923; Community Building; 1092J.
HASKELL, JOSEPH HUNTER; 1922; Instructor in Mining (Extension); Prince, West Virginia.
HASTIE, FRANK B., Assistant Professor of Military Science and Tactics; First Lieutenant Engineer Corps, U. S. A.; 1924; Madigan Street; 737M.
HAYES, FLORA RAY, A.B., (W. V. U., 1909); Instructor in Theory and History of Music; 1910; 480 High Street; 967J.
HAYES, ISABEL R., Preceptress of the Woman's Hall; 1923; Woman's Hall; 516J.
HAYES, LESLIE DAVID, M.E., (Cornell, 1908); Professor of Machine Design and Construction; 1918; 728 College Avenue; 831R.
HAYMAN, JOSEPH LESTER, B.S., Ph.C., (Michigan, 1919); Assistant Professor of Pharmacy; 1921; 1919; on leave of absence.
HEERMANS, MRS. FLORENCE ELLIOTT, Secretary to the Dean of the School of Medicine; 1920; 55 Carson Street; 437J.
HELMICK, JOHN PIERPONT, Student Assistant in Philosophy; 1924; 316 Cobun Avenue; 1330.
HENDERSON, HARRY ORAM, M.S., (Pennsylvania State College, 1916); Associate Professor of Dairy Husbandry; 1924; 1918; on leave of absence.
HENDERSON, MAHLON LUCAS, Student Assistant in Physics; 1923; 308 First Street; 1756.
HERNDON, LYLE KERMIT, Student in Chemistry; 1923; University Avenue; 636J.
HERNDON, NETTIE SOUTHWORTH, Student Assistant in History; 1924; 308 First Street; 1756.
HERTZOG, VIRGIL ROSS, Ph.G., (W. V. U., 1922); Instructor in Pharmacology; 493 Grand Street; 1164J.
HILL, HARRY, A.B., (W. V. U., 1923); Assistant in Physics; 1921; 468 Spruce Street; 141M.
HILL, LAWRENCE BENJAMIN, Ph.D., (Columbia, 1921); Professor of Education; 1920; 1918; 301 Carson Street; 319M.
HILL, HUBERT, M.S., (North Carolina, 1908); Associate Professor of Chemistry; 1920; 1910; 186 First Street; 474R.
HINKEL, LYDIA IRENE, B.M., (Syracuse University, 1916); Instructor in Public School Music; 1921; 12 Hunt Street; 1109R.
HITE, MRS. EVELYN, A.B., (W.V.U., 1898); Assistant Librarian; 1922; 12 Hunt Street; 1109R.

HODGE, WILLARD WELLINGTON, A.M., (Yale, 1914); Professor of Chemical Engineering; 1921; 293 Willey Street; 1667.
HOLMES, MAURICE COFFIN, Student Assistant in Physics; 1923; 89 Kingwood Street; 639R.
HOPKINS, JAMES VINCENT, B.S.Agr., (University of Tennessee, 1917); Dairy Specialist, Agricultural Extension Staff; 1923; 317 Ford Street; 635M.
HORSFALL, HAZEL, B.S., (Iowa State College, 1917); Assistant in 4-H Club Work, Agricultural Extension Staff; 1920; Community Building.
HOTT, GEORGE D., A.M., (W. V. U., 1924); Assistant in History; Spruce Street.
HUMPHREYS, HARRY CHRISTOPHER, Ph.D., (Columbia, 1924); Associate Professor of Education (Extension); 1922; Charleston, W. Va.
HUNKER, CARRIE BELLE, Secretary to the Dean of the College of Arts and Sciences; 1920; 407 Stewart Street; 1142.

JACOBSON, CARL ALFRED, Ph.D., (Johns Hopkins, 1908); Professor of Chemistry; 1920; 447 Cedar Street; 787M.
JOHNSON, DAVID DALE, A.M., (W. V. U., 1903); Professor of English; 1920; 1902; 20 Campus Drive; 711M.
JOHNSTON, John CHARLES, Secretary to the Dean of the College of Agriculture and Chief Clerk Agricultural Experiment Station; 1914; Cox & Baker Apartments; 633R.
JONES, CLEMENT ROSS, M.E., (W. V. U., 1897); M.M.E., (Cornell, 1900); Dean of the College of Engineering and Professor of Power Engineering; 1911; 1895; 317 Willey Street; 205J.
JONES, WILLIAM J., Jr., B.S.Agr. Educ., (Pennsylvania State College, 1920); Director University Y. M. C. A.; 1921; 4 Wilson Avenue; 1072W.

KAY, WILBUR JONES, A.M., (Washington and Jefferson College, 1919); Professor of Public Speaking; 519 Park Street; 97W.
KELTON, LUCY STONE, (Pratt Institute, ...); Dietitian at Woman's Hall; 1923; 516J.
KENDRICK, WILLIAM HENRY, A.B., (W. V. U., 1916); Assistant Director of State Boys' Clubs, Agricultural Extension Staff; 1919; 1913; Weston, W. Va., R. 5; 51F2, Jane Lew.
KERN, THOMAS F., First Lieutenant, Engineers, U. S. A. (D.O.L.); U. S. M. A., 1919); Assistant Professor of Military Science and Tactics; 1923; 283 Taylor Street; 264R.
KESSEL, CHARLES ROYAL, M.D., (Jefferson Medical College, 1921); University Physician; 1923; 1921; 85 South High Street; 1295.
KLINE, L. C., Superintendent of the Agronomy Farm; Easton Road; 12F21.
KING, BENJAMIN WALTER, A.M., (Harvard, 1917); Assistant Professor of Economics; 1917; 1911; Cheat Road; R. D. 3.
KNIGHT, HENRY GRANGER, Ph.D., (Wisconsin, 1917); Chemist and Director Agricultural Experiment Station; 1922; 263 McLane Avenue; 156R.
KNOWLTON, HARRY EDWARD, Ph.D., (Cornell, 1920); Associate Professor of Horticulture and Associate Horticultist in the Experiment Station; 1919; 100 Jackson Avenue; 1545R.
KNUTTI, ELEANOR EDDY, Assistant in the Library; 1923; 669 Spruce Street; 484.

KOEHLER, WALTER ALLOS, Ph.D., (Wisconsin, 1924); Assistant Professor of Chemical Engineering; 1924; 128 Simpson Street; 1450R.

LAWALL, CHARLES ELMER, E.M., M.S., (Lehigh University, 1914, 1921); Associate Professor of Mining Engineering; 1921; 210 Dewey Street; 459J.

LEITH, THEODRIC BRYANT, A.B., (Washington and Lee, 1916); Assistant Chemist, Agricultural Experiment Station; 1923; 1919; Evansdale.

LEONIAN, LEON H., Ph.D., (Michigan, 1922); Assistant Professor of Plant Pathology; Plant Pathologist, Agricultural Experiment Station; 1922; Fairmont, W. Va.; 397R.

LEPPERT, CHARLES L., Student Assistant in Zoology; 1924; 51 Kingwood Street; 454J.

LIVESAY, EDWARD ALEXANDER, A.M., (University of Missouri, 1917); Professor of Animal Husbandry and Specialist in Animal Husbandry in the Agricultural Experiment Station; 1919; 321 Demain Avenue; on leave of absence.

LLOYD, TOM COX, B.S.E.E., (Carnegie Inst. Tech., 1923); Instructor in Electrical Engineering; 1923; 321 Demain Avenue; 885J.

LYMAN, GEORGE RICHARD, Ph.D., (Harvard, 1906); Dean of the College of Agriculture; 1922; 730 College Avenue; 968M.

LYTLE, CLARA, A.M., (Columbia, 1921); Instructor in English; 1919; 230 Kirk Street; 1204.

McGARRY, EDMUND DANIELS, M.B.A., (Harvard, 1921); Assistant Professor of Economics; 1921; 283 Willey Street.

McGEE, SIDNEY LAMONT, A.M., (W. V. U., 1924); Instructor in Romance Languages; 1924; 1923; 126 Hough Street; 1178.

McILVANE, THEODORE CLINTON, Ph.D., (Ohio State University, 1924); Assistant Agronomist, Experiment Station; in charge of Agricultural Sub-Station; 1917; Maggie, W. Va.

MACLIN, EDWARD SILVER, B.S. in Educ., (University of Tennessee, 1916); Professor of Industrial Education; 1921; 202 Jackson Avenue; 39J.

MADDEN, JULIAN PAUL, Instructor in Mining (Extension); 1922; Logan, W. Va.

MADDEN, JOSEPH WARREN, B.A., (Illinois, 1922); J.D., (Chicago, 1914); Dean of the College of Law; 1921; 307 Duquesne Avenue; 445R.

MAGEE, RAY HEWITT, Instructor in Mining (Extension); 1923; Mount Hope, W. Va.

McKAY, EDITH, Storekeeper in Chemistry.

MESTREZAT, WALTER ALEXANDER, Chief Musician, Cadet Corps, and Instructor in Band Music; 1901; 57 Bridge Street; 1157J.

MILLER, JOHN RICHARDSON, Ph.D., (Harvard, 1922); Assistant Professor of French and Spanish; 1922; 15 Hunt Street; 267.

MICHEL, WERNER CASPER, P.D.S., (Berne, 1917); Assistant Professor of German; 1923; 2 Union Street; 862R.

MITCHELL, HARRY CURTIS, Ph.D., (California, 1923); Assistant Professor in History; 1924; 1923; Clinton Avenue, 1361J.

MICHAEL, KENNETH E., Student Assistant, Law Library; 1924; 412 Forest Avenue.

MITRANI, CHARLES, M.A., (California, 1917); Assistant Professor of Romance Languages; 1923; 1921; on leave of absence.

MOLITOR, ROBERT LOUIS, M.A., (Haverford College, 1922); Instructor in English; 1923; 127 Jones Avenue.
MOLBY, FRED A., Ph.D., (Cornell, 1910); Professor of Physics; 1921; 1920; 301 Price Avenue; 230R.
MOORE, SUSAN MAXWELL, A.B., (W. V. U., 1909); Instructor in Piano; 1903; 174 First Street; 563M.
MOORE, WALTER S., B.S.E.M., (W. V. U., 1923); Instructor in Mining Extension; 1924; Widen, W. Va.
MORELAND, MARY CATHRYN, B.S.Agr., (Missouri, 1916); Specialist in Home Industries, Agricultural Extension Staff; 1921; 571 Spruce Street.
MORRIS, RUSSELL LOVE, C.E., (W. V. U., 1898); Professor of Railway and Highway Engineering; 1903; 1895; 244 Grand Street; 621J.
MORRIS, SAMUEL, Ph.D., (Ohio State, 1921); Professor of Chemistry; 1921; 1916; 126 Simpson Street; 891R.
MORRIS, SAMUEL JOHN, M.D., (College of Physicians and Surgeons, 1912); Professor of Anatomy; 1920; 1912; 83 Kingwood Street; 960J.
MULLAN, GEORGE OSCAR, Student Assistant in Poultry Husbandry; 1924; R. F. D. No. 1.
MURPHY, CHARLES HICKMAN, Student Assistant in Agronomy; 1924; 792 Willey Street; 1492.

NELSON, ROY EZEKIEL, B.S.C.E., (W. V. U., 1921); Instructor in Civil Engineering; 1921; 272 Brockway Avenue; 1563.
NESBITT, NELL, A.M., (Chicago, 1912); Assistant Professor of Home Economics; 1924; Community Building; 1692J.

ODLAND, THODORE EDWARD, M.S., (Minnesota, 1920); Associate Professor of Agronomy; 1924; 1921; 792 College Avenue; 311Y1.
OLNEY, ROY ADAMS, B.S., (Cornell, 1915); Assistant Professor of Agricultural Education; 1923; 4 Mansion Avenue; 785J.

PARSONS, DICKSON WARD, M.S., (Wisconsin, 1918); Instructor in Agricultural Education; 1923; N. Willey Street.
PEAIRS, LEONARD MARION, M.S., (Kansas Agricultural College, 1907); Professor of Entomology; 104 Jones Avenue; 895R.
PEARCY, JOHN FRANK, Ph.D., (Chicago, 1922); Associate Professor of Physiology; Faculty Club; 12R.
PETTIGREW, HELEN PURINTON, A.M., (W. V. U., 1921); Instructor in English; 76 Grandview Avenue; 973R.
PIPER, WILLIAM CHARLES, Student Assistant in the Library; 1924; 100 McLane Avenue; 1252.
POLLOCK, REBECCA LUELLA, A.M., (Columbia, 1916); Assistant Professor of Education; 1920; 1916; on leave of absence.
PORTERFIELD, ALLEN WILSON, Ph.D., (Columbia, 1910); Professor of German; 72 Wilson Avenue; 550R.
PORTERFIELD, HAROLD FRANCIS, Student Assistant in History; 1924; 217 Grant Avenue.
POUNDSTONE, JAMES STANLEY, Instructor in Mining Extension; 1924; Williamson, W. Va.
PRETTYMAN, HUGH WILLARD, B.S.Agr., (W. V. U., 1917); Specialist in Horticulture; Agricultrual Extension Staff; Inwood, W. Va.

PURINTON, DANIEL BOARDMAN, Ph.D., (University of Nashville, 1892); LL.D., (Denison University, 1889); President and Professor of Philosophy, Emeritus; 1911; 1873; 76 Grandview Avenue; 973R.

PURINTON, BERTHA BROWNING, A.M., (W. V. U., 1902); Assistant Registrar; 1923; 1901; 29 Lincoln Avenue; 4R.

QUISENBERRY, KARL SPANGLER, B.S.Agr., (Kansas State Agricultural College, 1921); Instructor in Agronomy; 1921; on leave of absence.

RAPKING, AARON H., B.D., Specialist in Rural Organizations, Agricultural Extension Staff; (In co-operation with West Virginia Wesleyan College); 1922; Buckhannon, W. Va.

REED, ELIZABETH FROST, A.M., (Columbia, 1919); Instructor in English; 1919; 204 Grant Avenue; 717W.

REED, PERLEY ISAAC, Ph.D., (Ohio State, 1916); Associate Professor of English; 1922; 1920; 204 Grant Avenue; 717W.

REEDER, BENJAMIN GARNETT, A.B., LL.B., (W. V. U., 1921); Librarian of the Law Library; 1923; 69 Grandview Avenue; 734R.

REESE, ALBERT MOORE, Ph.D., (Johns Hopkins, 1900); Professor of Zoology; 1907; 312 Park Street; 638W.

REINER, MARY OLIVE, Student Assistant in the Library; 1924; Community Building.

REYNOLDS, CLARENCE NEWTON, JR., Ph.D., (Harvard, 1919); Assistant Professor of Mathematics; 1921; 317 Brockway Avenue; 357XY.

RHINE, JOSEPH BANKS, M.S., (Chicago, 1923); Instructor in Botany; 1924; 304 Maple Avenue; 681W.

RICHMOND, JEAN ELNORA, M.A., (Iowa, 1924); Assistant Professor of Home Economics and Education; 1924; 506 N. High Street; 796R.

ROACH, JOHN VIRGIL, Student Assistant in Economics; 1924; 234 Prospect Street; 731R.

ROBERTS, HAZEL VAN DYKE, A.B., (W. V. U., 1924); Assistant in Sociology; 1923; 420 High Street; 986J.

ROBERTS, LAKIN FISKE, A.M., (Columbia, 1920); Associate Professor of Education; 1924; Price Street and Union Avenue; 1872J.

ROCAWICH, MARY M., Student Assistant in the Library; 1924; 754 College Avenue.

RUFENER, LOUIS AUGUST, Ph.D., (Harvard University, 1915); Professor of Economics; 1922; 1920; 542 Spruce Street; 1152R.

RUMSEY, WILLIAM EARL, B.S.Agr., (Cornell, 1891); State Entomologist; Experiment Station; 1893; 415 Park Street; 671R.

RUNNER, CHARLES MICHAEL, Stationary Engineer; 213 Kingwood Street; 696J.

RUSSELL, WILLIAM H., Sergeant Infantry, U. S. A. (D.E.M.L.); Assistant to the Professor of Military Science and Tactics; 1923; 400 Stewart Street; 569J.

SAPOSNEKOW, JACOB, M.A., (Columbia, 1917); Assistant Professor of Sociology; 1924; 495 High Street; 12R.

SAYRE, GREEK, A.M., (W. V. U., 1920); Instructor in English; 1921; 1918; 16 Overhill Street; 193W.

SCHEFFEL, EARL REED, M.S., (Dennison University, 1908); Associate Professor of Geology; 1924; 1919; 495 High Street; 12R.

SCHROEDER, CHARLES FREDERICK, A.B., (W. V. U., 1923); Assistant in Zoology; 1923; 660 High Street; 648.

SCOTT, ALFRED BEVERLY, Instructor in Drawing; 1922; 409 High Street; 1588.
SCOTT, ALBERT BROWN, Student Assistant in Chemistry; 1923; 203 Grand Street; 712W.
SCHULTZ, HENRY T., Staff Sergeant, U. S. A.; Assistant to the Professor of Military Science and Tactics; 1923; 285 Taylor Street.
SEAMAN, RAYMER EGBERT, Instructor in Woodworking and Foundry Practice; 1912; 96 Gaston Avenue; 311M.
SHAW, EDWARD LEE, B.S.Agr., (Ohio State, 1902); Sheep Specialist, Agricultural Experiment Station Staff; 1917; Ashley, Ohio.
SHARPLESS, CONSTANCE JANE, Student Assistant in Chemistry; 1923; Woman's Hall; 9775.
SHERWOOD, EVERETT CLIFTON, M.S., (Wisconsin, 1920); Assistant Plant Pathologist, Agricultural Experiment Station, and Specialist in Plant Pathology, Agricultural Extension Staff; 1923; 1920; 118 Willey Street; 221J.
SHORTRIDGE, WILSON PORTER, Ph.D., (Minnesota, 1919); Professor of History; 1922; 118 Kingwood Street; 924W.
SIMPSON, JOHN NATHAN, M.D., (Johns Hopkins, 1902); Dean of the School of Medicine and Professor of Physiology; 1912; 1902; 63 Wilson Avenue; 244J.
SLATER, SARA ELIZABETH, B.S., (Wisconsin, 1923); Instructor in Home Economics; Community Building; 1692J.
SMITH, WILLIAM ADAMS, M.D., C.M., (Queens University, Canada, 1905); Professor of Pathology and Bacteriology; 1923; 14 Simpson Street; 1757J.
SMITH, EUGENE G., Second Lieutenant; Engineer Reserve Corps; Assistant to the Professor of Military Science and Tactics; 750 Willey Street; 64J.
SMITHEY, IRA WELLBORNE, M.S., (University of North Carolina, 1921); Associate Professor of Chemistry; 1923; 1921; Wilkesboro. N. C.; on leave of absence.
SNEE, GRACE MARTIN, Instructor in Piano and Pipe Organ; 1903; 1898; 282 Fayette Street; 1147M.
SNIDER, CLIFFORD RAYMOND, LL.B., (W. V. U., 1917); S.J.D., (Harvard, 1919); Professor of Law; 1922; 1921; 487 High Street; 833J.
SPANGLER, ROBERT CLIFTON, A.M., (W. V. U., 1916); Associate Professor of Botany; 1923; 1912; 13 Naomi Street; 207J.
SPIKER, CLAUDE CARL, Ph.D., (Chicago, 1922); Associate Professor of French and Spanish; 1923; 1913; 418 Park Street; 9M.
SPRAY, ROBB SPALDING, Ph.D., (Chicago, 1923); Associate Professor of Bacteriology; 1921; Fourth Street; 997R.
STANSBURY, HARRY ADAMS. B.S., (W. Va. Wesleyan, 1915); Director of Athletics; 1917; 353 Wilson Avenue; 59.
STARK, GLENN LEWIS, B.S.Agr., (Missouri, 1924); Assistant in Horticulture; 285 Richwood Avenue; 1361M.
STATHERS, MADISON, Ph.D., (Grenoble, 1905); Professor of Romance Languages; 1910; 1906; 236 Grand Street; 594W.
STEIN, GEORGE A., Student Assistant in Chemical Engineering; 1924; 496 High Street; 591J.
STALNAKER, Elizabeth M., Ph.D., (Johns Hopkins, 1923); Associate Professor of Education; 1925; 408 Spruce Street; 213R.
STEWART, JAMES SCOTT, M.S., (W. V. U., 1880); Professor of Mathematics; Emeritus; 1907; 1877; 146 Willey Street; 120R.

STILLMAN, HERMAN DELOSS, Assistant in Woodworking; 1920; 10 Falling Run Street; 596J.
STILLWELL, ERWIN COVERDALE, M.S., (Iowa State College, 1923); Assistant Professor in Animal Husbandry; 1924; 1923; 170 Spruce Street; 192J.
STOCKDALE, CHARLES ELLSWORTH, B.S.Agr., (W. V. U., 1916); Agricultural Editor; 1916; Highland Park; 756J.
STONE, HARRY EVERETT, A.M., (Columbia, 1922); Dean of Men; 1922; 47 Maple Avenue.
STRAUSBAUGH, PERRY DANIEL, Ph.D., (Chicago, 1920); Professor of Botany; 1923; 381 Franklin Street; 259R.
STRICKLER, LAURA, Secretary to the President; 1920; 247 Fife Avenue; 1000J.
SUTTON, LUTHER FRANCIS, B.S.Agr., (Wisconsin, 1912); Assistant Horticulturist in the Experiment Station and Superintendent of the Reymann Memorial Experiment Farm; 1917; 1912; Wardensville, W. Va.
SWAN, WILLIAM ORR, Ph.D., (Virginia, 1922); Instructor in Chemistry; 1923; 336 Demain Avenue; 631J.

TAYLOR, ALICE MILNER, B.S.H.E., (Ohio State, 1917); Instructor in Home Economics; 1920; 116 Linden Avenue; 4J.
TAYLOR, LELAND HART, S.D., (Harvard, 1922); Assistant Professor in Zoology; 1924; 1922; 116 Linden Avenue; 4J.
TILTON, JOHN LITTLEFIELD, Ph.D., (Chicago, 1910); Professor of Geology; 1923; 1920; 212 Euclid Avenue; 969M.
TITTERINGTON, RAYMOND JONES, Instructor in Mining (Extension); 1923; Logan, W. Va.
TROTTER, FRANK BUTLER, A.M., (Roanoke, 1895); LL.D., (W. Va. Wesleyan, 1914); President; 1916; 1907; 1549 University Avenue; 151.
TROTTER, JAMES RUSSELL, A.M., (Harvard, 1896); LL.B., (W. V. U., 1902); Professor of Law; 1908; 504 Grand Street; 1198J.
TROUT, GEORGE MALCOLM, B.S., (Iowa State College, 1923); Instructor in Dairying; 1923; 433 Beverly Avenue.
TUCKWILLER, ROSS HOMAN, B.S.Agr., (W. V. U., 1916); Assistant in Beef Cattle Investigations, Experiment Station; 1916; Lewisburg, W. Va.
TURNER, BIRD MARGARET, Ph.D., (Bryn Mawr, 1920); Assistant Professor of Mathematics; 1923; 408 Spruce Street; 213R.
TURNER, ROBERT GRAHAM, M.S., (Iowa, 1922); Instructor in Chemistry; 1923; 258 First Street; 887W.

VAN LIERE, EDWARD JERALD, M.D., (Harvard, 1920); Professor of Physiology; 1921; 304 Carson Street.
VAN DEVEER, GEORGE JAY, B.S., (Rutgers, 1921); Assistant Poultry Specialist, Agricultural Extension Staff; 1921; 409 High Street; 1582W.
VICKERS, ENOCH HOWARD, A.M., (Harvard, 1894); Professor of Economics and Sociology; 1910; 748 College Avenue; 692J.

WADE, BRYAN LLEWELLYN, B.S.Agr., (W. V. U., 1923); Assistant in Agronomy; 1923; 127 Jones Avenue; 754J.
WADDELL, LYNN, A.B., Graduate Assistant in English; 141 Lorentz Avenue; 1942.
WEAKLEY, CHARLES EDWARD, Jr., Assistant Chemist, Experiment Station; 1907; University Avenue; 1498W.

WEIL JEANNETTA, Chief Clerk, Agricultural Extension Staff; 1912; 590 Spruce Street; 830J.
WELTON, WRIGHT MONTGOMERY, Student Assistant in Chemistry; 1923; 326 Beverly Avenue.
WEST, RUFUS ASA, Instructor in Metal Working; 1913; 1892; 301 First Street; 132J.
WESTOVER, KYLE CHESTER, B.S., (New Hampshire, 1917); Assistant Professor of Horticulture; 1920; on leave of absence.
WHEELER, SHERMAN SHAW, B.S., (Iowa, 1923); Instructor in Animal Husbandry; 1924; 309 Stewart Street; 1534M.
WHITE, BENNETT SEXTON, B.S.M.E., (W. V. U., 1897); Assistant Professor of Drawing; 1921; 1919; 115 Gray Street; 873M.
WHITE, JAMES H., Second Lieutenant Reserve Corps; U. S. A.; Assistant to Professor of Military Science and Tactics; 2012 University Avenue; 1190J.
WHITNER, ARTHUR R., Captain Infantry (D.O.L.) United States Army; Assistant Professor of Military Science and Tactics; 437 Beverly Avenue; 1754R.
WIGHTMAN, ERNEST THOMAS, B.S.Agr., (Pennsylvania State, 1917); Assistant in Poultry Husbandry; 1924; 2048 University Avenue; 1331M.
WILLIAMSON, ODAS, Assistant in Library; 1924; 611 Allen Street; 983M.
WILLIS, DENNIS MARTIN, A.B., LL.M., (W. V. U., 1905, 1908; Financial Secretary; 1915; 1895; 212 Park Street; 1078J.
WILSON, CHARLES VINYARD, M.S., (Iowa, 1924); Assistant Professor of Animal Husbandry; 1919; 120 Beverly Avenue; 1530J.
WINTER, JOHN E., Ph.D., (University of Michigan, 1917); Professor of Psychology; 1923; 1921; Grandview Avenue; 1126W.
WOLFE, LUCY MALINDA, Student Assistant in Chemistry; Health Service Building; 475.
WOLPERT, MILTON, Student Assistant in Zoology; 768 Front Street.
WOODBURN, DOROTHY, Student Assistant in Chemistry; 1924; 300 Second Street; 688W.
WOOFTER, CAREY, A.B., (W. V. U., 1924); Graduate Assistant in English; 1924; 220 Highland Avenue.

YOKE, FRANK ROY, A.B., (W. V. U., 1903); Alumni Secretary; 1922; 15 Wilson Avenue; 1446; office telephone 1326R.
YOUNG, HAROLD GLENN, B.S., (W. V. U., 1924); Instructor in Physiology; 1924; 6 Jones Avenue; 458M.

List of Students

STUDENTS ENROLLED IN THE COLLEGES.

NOTE.—The following list includes the names of all students enrolled in the various colleges of the University, arranged in alphabetical order. Following each student's name and address are given his class, course of study which he is pursuing, or the degree for which he is a candidate. The word freshman, sophomore, etc., following the student's name, indicates his rank on the first day of November, 1923. Regular students in the College of Law have the following standing in the University: first-year students, sophomore; second-year students, junior; third-year students, senior; except those holding a bachelor's degree. Students whose names are marked with an asterisk (*) are ranked as freshmen, but are conditioned in one or more preparatory subjects. Students marked as special students are classified in accordance with the regulations found on page 34 of this catalogue.

Abruzzino, James Anthony	Shinnston	Fr., A.B.
Acker, Kenneth Eugene	Wheeling	Sen., A.B.
Adams, Anna Kathryn	Wilkinsburg, Pa.	Jun., A.B.
Adams, Mary Eugenia	New Martinsville	Sen., A.B.
Addis, Carroll Weldin	Morgantown	Sen., B.S.E.E.
Addison, Carrie Maye	Morgantown	Night Class
Akins, Duane Edwin	Morgantown	Soph., E.E.
Alba, Robert Sanda	Mt. Hope	Fr., A.B.
Albright, Elinor Brown	Morgantown	*Fr., A.B.
Albright, Mary Matilda	Morgantown	Soph., A.B.
Alderson, Charles Luther	Morgantown	Soph., A.B.
Alderson, Emma Frances	Charleston	Jun., A.B.
Aldridge, Mary Ella	Martinsburg	Soph., B.S.C.E.
Alleman, Gay Zearley	Morgantown	Sen., A.B.
Allen, Hubert A.	Huntington	Soph., B.S.M.E.
Allen, Mary Rosamond	Morgantown	Sen., A.B.
Allen, Mildred Rebecca	Morgantown	Soph., A.B.
Allender, Franklin Leo	Belington	Soph., B.S.E.E.
Alley, Ralph Martin B.S., University of Idaho, 1922.	Lewiston, Idaho	2d Yr. Med.
Allinder, Joe Arthur	Hights	Soph., B.S.Ch.E.
Allman, John Isaac B.S.Agr., West Virginia University, 1917.	Jane Lew	Grad., Agr.
Alvarez, Manuel	Caguas, P. R.	Sen., B.S.Agr.
Alvis, Raymond Woodman	Newell	Soph., A.B.
Amidon, Lee Leonard B.S.M.E., University of Minnesota, 1923.	Morgantown	Grad., Eng'g.
Amos, John Ellis	Charleston	*Fr., A.B.
Amos, Robert Ireland	Pullman	Jun., B.S.Agr.
Anderson, Alton Johnson	Webster Springs	Fr., B.S.Agr.
Anderson, James Donley	Hundred	Jun., B.S.Agr.
Anderson, James Lee A.B., West Virginia University, 1923. LL.B., West Virginia University, 1924.	Littleton	Grad., A. & S.
Andrews, Dorothy Elizabeth	Morgantown	Sen., B.S.H.E.

Andrews, Helen Frances	Morgantown	Sen., B.S.H.E.
Angel, Philip	Huntington	Soph., A.B.
Angotti, John Thomas	Clarksburg	Jun., B.S.C.E.
Aponte, Ernesto Colon	Caguas, P. R.	Jun., B.S.M.E.
Apple, Judas	Kittanning, Pa.	Fr., A.B.
Applegate, Walter Macdonald	Morgantown	Fr., A.B.
Applegate, William Arthur	Morgantown	Jun., A.B.
Areford, Henry Sheldon	Carmichaels, Pa.	1st Yr. Law
Arnett, Frank Ellsworth	White Sulphur Spgs	Grad., A. & S.
A.B., West Virginia Wesleyan College, 1911.		
Arnold, Emmett Wesley	Sutton	Soph., A.B.
Aronsohn, Cecile	New York, N. Y.	Soph., A.B.
Ash, Henry Lee	Wilbur	Jun., A.B.
Ashburn, Robert Russell	Reedsville	Soph., A.B.
Ashworth, Harold Bay	Moundsville	Fr., A.B.
Ashworth, Wease Lee	Buckhannon	Jun., A.B.
Asinas, Emeterio Albienda	Catubig, P. I.	Jun., B.S.Agr.
Asmus, Leonard Russell	Wheeling	Soph., A.B.
Atlas, Mortimer David	Brooklyn, N. Y.	Soph., A.B.
Atwood, Norman Calvin	Morgantown	Sen., B.S.Ch.E.
Augustine, Carl James Ernest	Parkersburg	*Fr., B.S.C.E.
Auldridge, Gail Pennell	Hillsboro	Fr., B.S.Agr.
Austin, Marie Carolyn	Philippi	Sen., B.S.H.E.
Avis, Hugh Clyde	Lyburn	Fr., A.B.
Ayers, Herbert Dale	Clarksburg	Fr., A.B.
Ayers, Thelma	Smithville	Soph., B.S.H.E.
Aylor, James LaVerne	Huntington	Fr., B.S.C.E.
Azar, Charles Joseph	New Martinsville	Soph., B.S.C.E.
Babyak, Joseph Baker	Fairmont	1st Yr. Med.
Backus, Katharine Elizabeth	Montgomery	Jun., A.B.
Baer, Robert Ely	Morgantown	Jun., A.B.
Baildon, William Breck	Huntington	Jun., B.S.E.M.
Bailey, Charles Robert	Niagara Falls, N.Y.	*Fr., A.B.
Bailey, Ernest Brooks	Craigsville	Jun., A.B.
Bailey, Hugh Estil	Morgantown	Sen., B.S.Ch.E.
Bailey, Jessie Lee	Morgantown	Jun., A.B.
Bailey, Lloyd Webster	Morgantown	Soph., A.B.
Baird, Alice Mae	Wilkinsburg, Pa.	Sen., A.B.
Baird, Josiah Wallace, Jr.	Elm Grove	Sen., B.S.Agr.
Baird, Margery	Elm Grove	Soph., B.S.H.E.
Baker, Ervin E.	Clarksburg	Soph., A.B.
Baker, James Plummer	Cheat Haven, Pa.	Sen., A.B.
Baker, Jonathan Jefferson	Piedmont	Fr., A.B.
Baker, Lucy Ellen	Hundred	Grad., A. & S.
A.B., West Virginia University, 1919.		
Baker, Marian Louise	Mannington	Jun., B.S.H.E.
Baker, Mary Bond	Moorefield	Soph., A.B.
Baker, Royal Frank	Gassaway	Soph., A.B.
Ball, Claude Russell	Morgantown	2d Yr. Med.
Ball, Gordon Victor	Ravenswood	Sen., A.B.
Ball, Marion Tabor	Williamson	*Fr., B.S.Agr.
Ballam, Sydney Edward, Jr.	Charleston	Soph., A.B.
Ballard, Wade Hampton	Peterstown	Soph., A.B.
Ballangee, Graham Erskine	Huntington	Jun., A.B.
Barclay, Bertram Donald	Morgantown	Grad., A. & S.
B.S., College of Wooster, 1923.		
Bare, Henry Ziegler	Morgantown	Soph., A.B.

Barlow, Ralph Lawrence	Beverly	Grad., A. & S.
B.S.Agr., West Virginia University, 1918.		
Barnes, Faye	Wellsburg	Soph., A.B.
Barnett, Ada Marie	Point Pleasant	Jun., A.B.
Barnhard, David	New York, N. Y.	Fr., A.B.
Barnhiser, Von Bergen	Morgantown	2d Yr. Med.
Barr, Dorothy Carney	Morgantown	Jun., A.B.
Barrar, William George, Jr.	Charleston	Fr., B.S.M.E.
Barrett, James Patrick	Erie, Pa.	2d Yr. Med
Barrett, Mary Josephine	Cameron	Sen., A.B.
Barrickman, Charles McClane	Morgantown	Fr., A.B.
Bartlett, Joseph Anthony	Tarentum, Pa.	Sen., A.B.
Bartlett, Eula Lee	Perry Point, Md.	Fr., A.B.
Bartlett, Ima Rose	Perry Point, Md.	Fr., A.B.
Bartlett, John Frank	Gassaway	Sen., A.B.
Bassel, James Edwin	Mt. Clare	1st Yr. Law
Batten, Beryl	Morgantown	Grad., A. & S.
A.B., West Virginia University, 1922.		
Batten, John Edward, Jr.	Morgantown	Soph., A.B.
Batten, Ruth	Morgantown	Grad., A. & S.
A.B., West Virginia University, 1919.		
Bauer, Eleanor Elizabeth	Moundsville	Jun., A.B.
Baughman, Gerald	Philippi	Jun., A.B.
Baxter, Herbert Allen	Sutton	1st Yr. Law
Bayer, Beverly Pitzer	Berkeley Springs	Fr., A.B.
Bayles, Wesley Howard	St. Marys	Soph., A.B.
Bayles, William David	Morgantown	Fr., A.B.
Beall, Chester Franklin	Morgantown	Jun., A.B.
Beall, Clarence Frederick	Morgantown	Fr., B.S.M.E.
Beall, Clarence Marshall	Morgantown	Fr., A.B.
Beall, Harley Jackson	Mannington	Fr., A.B.
Beall, Louretta Mildred	Morgantown	Fr., A.B.
Bean, Robert Milton	Landisburg	Fr., B.S.E.E.
Beard, Harry Elmer	Huntington	2d Yr. Med.
Beard, Henry Harper	Beard	Jun., B.S.Agr.
Beard, Matthew Lee, Jr.	Hillsboro	Fr., B.S.Agr.
Beard, Orin Jennings	Point Pleasant	Grad., Agr.
B.S.Agr., West Virginia University, 1924.		
Beardslee, Robert William	Huntington	Jun., B.S.E.E.
Beavers, William A., Jr.	Grafton	*Fr., A.B.
Beck, Calvin Henry	Wheeling	4th Yr. Phar.
Beck, Martha Hogan	Wheeling	Sen., A.B.
Beddow, Herbert Mather	Mannington	Grad., A. & S.
A.B., West Virginia Wesleyan College, 1922.		
Bell, Eric Franklin	Athens, Ohio	Grad., A. & S.
A.B., Ohio University, 1922.		
Bennett, Fred Hill	Steubenville, Ohio	Fr., B.S.C.E.
Bennett, Gay	Morgantown	Sen., A.B.
Bennett, Paul Clifford	Morgantown	Grad., Agr.
B.S.Agr., West Virginia University, 1923.		
Benson, Chloris	Philippi	Jun., A.B.
Berry, Eleanor	Morgantown	Sen., B.S.H.E.
Berry, Evelyn Virginia Lee	Morgantown	Jun., A.B.
Berry, Eugene Archibald	Morgantown	Jun., B.S.E.E.
Berry, Frances	Morgantown	Fr., B.S.H.E.
Berry, Margaret Vorella	Morgantown	Jun., A.B.
Berry, Mary Keener	Morgantown	Jun., A.B.
Betras, Peter Dohar	Youngstown, Ohio	Soph., A.B.

Bias, Marie Marguerite	Williamson	Fr., A.B.
Biddington, Margaret Smith	Frostburg, Md.	*Fr., B.S.H.E.
Bienstock, Irving Horace	Newark, N. J.	1st Yr. Med
Bierer, Barbara	Morgantown	Soph., A. B.
Bierer, Fred	Morgantown	Soph., B.S.C.E.
Bierer, Sarah	Morgantown	Soph., A.B.
Bigelow, Eleanor Maude	Washington	Fr., A.B.
Bigelow, Margaret Adele	Washington	Jun., A.B.
Binns, Carl Brooks	Fairmont	Soph., B.S.E.E.
Bisceglia, Joseph Louis	Pittsburgh, Pa.	2d Yr. Med.
Bishop, William Edmond	Terra Alta	Soph. ,A.B.
Bissett, Juanita Virginia	Benwood	*Fr., A.B.
Bitonty, Louis Fred	Morgantown	Fr., A.B.
Bivens, Spencer Lee	Meadow Bluff	1st Yr. Med.
Black, James Rutherford	Parnassus, Pa.	Fr., A.B.
Blackburn, Blanche Caby	Reedsville	Soph., A.B.
Blackburn, George Blair	Morgantown	Soph., B.S.C.E.
Blackwood, Edwin Neale	Point Pleasant	Sen., B.S.C.E.
Blair, Marion Robinson	West Union	Soph., B.S.Ch.E.
Blake, Catharine Afton	Huntington	Soph., A.B.
Blakely, George Thomas	Lyndhurst, N. J.	Fr., A.B.
Bland, Charles Newton	Weston	2d Yr. Med.
Bland, Robert Linn, Jr.	Weston	Soph., A.B.
Bland, Theodoric Edwards	Weston	Sen., B.S.Agr.
Blandford, Robert Sprigg	Morgantown	Jun., B.S.M.E.
Blasini, Emilio	Youco, P. R.	*Fr., A.B.
Blauberg, Walter Robert	Morgantown	Fr., A.B.
Bledsoe, Luther Edgar	Wesbster Springs	Fr., A.B.
Blue, William Frederick	Charleston	3rd Yr. Law
Blumenberg, Hugo Frederick	Wheeling	Sen., A.B.
Bodkin, John Franklin	Jane Lew	Fr., B.S.C.E.
Boggess, John Carney	Shinnston	Sen., B.S.Agr.
Boggs, William Carroll	Franklin	Soph., A.B.
Boiarsky, Mose Edwin	Charleston	Soph., A.B.
Bolman, Marion Isabel	Shinnston	*Fr., A.B.
Bolton, Mary Louise	Morgantown	Jun., A.B.
Bonar, Alma Elfreida	Moundsville	Soph., B.S.H.E.
Bonar, Ethel Casto	Morgantown	2d Yr. Med.
A.B., West Virginia University, 1915.		
Bonar, Martha	Belleville	Sen., B.S.H.E.
Bond, Ian Hubert	Roanoke	2d Yr. Med.
A.B., Salem College, 1923.		
Bone, Dorothy Helen	Moundsville	Sen., B.S.H.E.
Bone, George Wayne	Moundsville	Soph., A.B.
Bone, Lillian Margaret	Moundsville	Sen., A.B.
Boone, Lois Harriet	Ronceverte	Jun., B.S.H.E.
Boone, Neva Frances	Ronceverte	Jun., A.B.
Boone, Rrankin Roy	Ronceverte	Jun., A.B.
Boone, Roy Elliott	Ronceverte	Sen., A.B.
Borden, James Chapman	Bluefield	Fr., A.B.
Borror, Carson McClain	Clarksburg	Soph., B.S.E.E.
Bosley, Frederick	New Creek	Fr., B.S.Agr.
Bosworth, Brooks Brady	Benwood	Sen., A.B.
Bosworth, Stanley Steed	Elkins	3rd Yr. Law
Bottome, Virginia Marie	Moundsville	Jun., B.S.H.E.
Boundy, Kathryn Elizabeth	Cameron	Fr., A.B.
Bourn, Warren Scudder	Morgantown	Grad., A. & S.
A.B., West Virginia University, 1923.		

Bourn, William Dewey	Tague	Soph., A.B.
Bow, Theodore Clarence	Adamston	Fr., B.S.E.E.
Bowers, Edna Kathryn	Franklin	*Fr., A.B.
Bowers, Karl Douglas	Clarksburg	3rd Yr. Law
Bowers, Martha Elizabeth	Morgantown	Fr., A.B.
Bowers, Virginia Venable	Carrollton, Mo.	Soph., B.S.H.E.
Bowling, George Augustus	Lewisburg	Jun., B.S.Agr.
Bowman, Berkeley Owen	Union Bridge, Md.	Grad., A. & S.
A.B., Blue Ridge College, 1924.		
Boyles, Aubrey Emmett	Philippi	Jun., A.B.
Boyles, Melville Peter	Philippi	Grad., A. & S.
A.B., West Virginia University, 1914.		
Boyles, Murl Lawrence	Philippi	Jun., A.B.
Brackett, Alice Steele	Fairmont	Sen., A.B.
Brackett, Dorothy Waddle	Fairmont	Fr., A.B.
Bradford, Frank Everett	Pennsboro	Jun., A.B.
Bradford, William Werner	Washington, D. C.	Soph., B.S.E.M.
Bradley, Joe Sholes	Hinton	Soph., A.B.
Brafford, Thomas Brinton	Follansbee	Fr., A.B.
Bragg, William Alderson	Ansted	Soph., A.B.
Braid, Edward Henry Barton	Charleston	Soph., B.S.E.E.
Brandfield, Ira Illian	Beacon, N. Y.	2d Yr. Med.
Brannon, Eva Lee	Glenville	Soph., B.S.H.E.
Bray, Albert Bertram Calfee, Jr.	Ronceverte	Sen., A.B.
Brenaman, Robert Samuel	Richmond, Va.	Fr., A.B.
Brennan, Bernice Russell	Elm Grove	Fr., A.B.
Brewster, Walter Southgate	Lewisburg	Fr., B.S.C.E.
Bright, Percy Wade	Sutton	Soph., A.B.
Brill, Floyd McCauley	Richwood	Soph., A.B.
Brill, Omar Hunter	Cass	Fr., A.B.
Briner, Clifford John	Fayette City, Pa.	1st Yr. Med.
Brochick, Anna	Thomas	Fr., A.B.
Brock, Robert Luther	Morgantown	2d Yr. Law
A.B., West Virginia University, 1920.		
Brohard, Encil Ray	Fairview	Grad., A. & S.
B.S.Agr., West Virginia University, 1923.		
Brooks, Daniel Herbert	Mullens	Fr., A.B.
Brosius, Henry Merry	Locust	Fr., B.S. E. E.
Brown, Arjay Lealand	Point Marion, Pa.	Fr., A.B.
Brown, Arthur Alloysius	Dawson, Pa.	1st Yr. Law
Brown, Clifford Mayhew	Morgantown	Fr., A.B.
Brown, Daniel Morgan	Uniontown, Pa.	Jun., A.B.
Brown, Elizabeth	Morgantown	Sen., A.B.
Brown, Ella Virginia	Wheeling	Jun., B.S.H.E.
Brown, Eloise	Morgantown	Fr., A.B.
Brown, Eugene Scott	Summersville	Fr., A.B.
Brown, Garrett Fairfax	Elkins	Jun., A.B.
Brown, Jeannette Dorsey	Moundsville	Fr., A.B.
Brown, John Andrews	Morgantown	Voc. Agr.
Brown, John Harold	Independence	Sen., A.B.
Brown, Margaret Patterson	Kingwood	*Fr., A.B.
Brown, Mary Frances	Keyser	Soph., A.B.
Brown, Mary Jane	Morgantown	Fr., B.S.H.E.
Brown, Ronald Paul	Morgantown	Fr., A.B.
Brown, Russell Guy	Morgantown	Fr., B.S.E.E.
Brown, William Byrne	Swandale	Soph., A.B.
Brown, William James	New Cumberland	Sen., A.B.
Browning, Claud Franklin	Terra Alta	Soph., B.S.C.E.

Browning, William Lloyd, Jr.	Uniontown, Pa.	Jun., A.B.
Brozic, Andrew James	Midland, Pa.	Fr., A.B.
Bruder, Wood Harlan	Houston, Texas	Soph., A.B.
Bruffey, Adam Glenn	Hillsboro	Fr., B.S.C.E.
Bruffey, James Barnard	Pullman	Sen., A.B.
Brust, Victor Wilhelm	Morgantown	Fr., B.S.E.E.
Buck, Walter Edwin	Sistersville	Jun., A.B.
Buckey, William Emmett	Fairmont	Grad., A. & S.
A.B., West Virginia University, 1921.		
Buell, Clifford Delmont	Masontown, Pa.	Fr., A.B.
Buitrago, Eugenio, Jr.	Guayama, P. R.	Sen., B.S.M.E.
Bull, Mary Esther	Sistersville	Soph., A.B.
Bunten, Theodore Watson	Morgantown	Fr., B.S.Ch.E.
Bunten, Thomas Ellsworth	Morgantown	Jun., B.S.Ch.E.
Burchinal, Robert Ira	Morgantown	Fr., A.B.
Burdett, John Kunst	Grafton	Soph., A.B.
Burley, Lindsey Lloyd	Bellton	*Fr., A.B.
Burth, Henry Herman	Jamaica, N. Y.	Jun., A.B.
Burton, Beachley Ernest	Elizabeth	Soph., A.B.
Burton, Raemey A.	Huntington	Soph., A.B.
Bush, Kline Edgar	Morgantown	Fr., B.S.E.E.
Buskirk, Mildred Barbee	Huntington	Fr., A.B.
Bussey, Charles Chester	Clarksburg	Jun., A.B.
Butts, Henry Pemberton	Charleston	3d Yr. Law
Butts, Virginia Frye	Harper's Ferry	Fr. ,A.B.
Buvinger, Ralph Sherman	Wilkinsburg, Pa.	*Fr., A.B.
Byer, Harry Bruner	Clarksburg	Soph., A.B.
Cadden, Anthony Vandril	Keyser	Soph., A.B.
Cain, Harry Wilson	Belington	Fr., B.S.E.E.
Calhoun, Harlan M.	Franklin	2d Yr. Law
Callaghan, Eulai B.	Craigsville	Sen., A.B.
Callaghan, Thomas Tess	Craigsville	1st Yr. Med.
Callaham, Paul Ronald	Hinton	Sen., B.S.E.E.
Callaway, Elbert Mayo	Huntington	Soph., A.B.
Calvert, Carmen Corabelle	Morgantown	Sen., A.B.
Calvert, Elsmere Carlton	Morgantown	Sen., B.S.M.E.
Calvert, Francis Augustus E.	Morgantown	Fr., B.S.M.E.
Calvert, Margaret Elizabeth	Chelyan	Fr., B.S.H.E.
Campbell, Anna Mae	Kesler's Cross Lanes	Fr., A.B.
Campbell, Beryl Harold	Morgantown	Soph., B.S.E.M
Campbell, Eleanor Jane	Belington	Soph., B.S.H.E.
Campbell, Roy Edward	Charleston	Fr., A.B.
Campbell, William Robert	Beckley	Soph., A.B.
Cantrall, Archibald Martin	Morgantown	3d Yr. Law
A.B., West Virginia University, 1922.		
Cantrall, Charlotte Wood	Morgantown	Soph., A.B.
Caplan, Howard	Clarksburg	Jun., A.B.
Carden, Howard Rader	Huntington	Jun., A.B.
Carder, Bryan James	Long Run	1st Yr. Med.
A.B., Salem College, 1924.		
Carle, David	Wheeling	Fr., B.S.E.E.
Carman, Gertrude Gazelle	Hinton	Fr., B.S.H.E.
Carnes, Wilbur Clement	Clendenin	2d Yr. Law
Carnes, William Glenn	Clendenin	Fr., A.B.
Carney, Chesney Michael	Wheeling	2d Yr. Law
A.B., West Virginia University, 1924.		

Carpenter, Lewis Van	Morgantown	Grad., Eng'g.
B.S.C.E., West Virginia University, 1918.		
Carrico, Dorothy	Terra Alta	Fr., B.S.H.E.
Carroll, Carlo Bowlby	Morgantown	Grad., Agr.
B.S.Agr., West Virginia University, 1924.		
Carroll, John Louis	Wheeling	Soph., A.B.
Carroll, Virginia	Wheeling	Soph., A.B.
Carskadon, Fred Leps	Headsville	Jun., A.B.
Carte, Estol Taylor	Clendenin	Jun., B.S.Ch.E.
Carte, Robert Lester	Connellsville, Pa.	Soph., A.B.
Carter, Allen Eldridge	Catawba	*Fr., A.B.
Carter, Margaret Lee	Elm Grove	Jun., A.B.
Carter, Robert Moore	Mt. Hope	Sen., B.S.M.E.
Carvey, Charles Leps	No. Braddock, Pa.	Fr., A.B.
Casebolt, Marion Ferguson	Williamson	*Fr., A.B.
Cassell, Clyde Jacob	Cass	Fr., A.B.
Casto, Cameron Bland	French Creek	Soph., A.B.
Casto, Ronald Herman	Kenna	2d Yr. Law
Cather, Carl Henry	Morgantown	Grad., Eng'g.
B.S.M.E., West Virginia University, 1916.		
M.S., University of Illinois, 1922.		
Cavendish, Fred Clinton	Montgomery	Sen., A.B.
Cavitt, James Rees	Keyser	Soph., A.B.
Cawley, Helen Loretta	Sistersville	Jun., B.S.H.E.
Chabourel, Alfred	Morgantown	Sen., B.S.E.E.
Chadduck, Harry Webster, Jr.	Grafton	Fr., B.S.Ch.E.
Chafin, James Arthur	Logan	Fr., A.B.
Chafin, William Lee	Logan	Fr., A.B.
Chambers, Franklin Mart	Ravenswood	Fr., B.S.C.E.
Chambers, Merritt Edward	Cameron	Soph., A.B.
Chambers, Pearl Adena	Moundsville	Jun., A.B.
Chambers, Roy Chester	Moundsville	1st Yr. Phar.
Chambers, Vannetta	Martinsburg	Sen., A.B.
Chancellor, Norvell	Parkersburg	Fr., B.S.Agr.
Chandler, Flavius Carl	Frame	Jun., A.B.
Channell, Eleanor Louise	Elkins	Soph., B.S.H.E.
Chaplin, Virginia Elizabeth	Morgantown	Soph., A.B.
Chapman, Berlin Basil	Webster Springs	Sen., A.B.
Chapman, John Frederick	Davis	Jun., B.S.Agr.
Charlton, Annabel	Mannington	Fr., A.B.
Charnock, John Nicholls	Charleston	3d Yr. Law
Cheesman, Raymond John	Morgantown	Fr., B.S.M.E.
Chenoweth, Perthas Calvert	Wendel	2d Yr. Med.
Chesrown, Donald L.	Morgantown	Special Eng'g.
Christian, Lea Elza	Huntington	1st Yr. Med.
Church, Ernest Elliott	Martinsburg	Grad., A. & S.
A.B., Waynesburg College, 1918.		
Clark, Asa	Morgantown	Grad., A. & S.
A.B., West Virginia University, 1924.		
Clark, Dewey Edward	Hemlock	Jun., B.E.Agr.
Clark, Ella Henry	Morgantown	Jun., A.B.
Clark, Francis Alden	Charleston	1st Yr. Med.
Clark, Helen	Morgantown	Night Class
Clark, Merrill Curtis	Princeton	Fr., B.S.E.E.
Clark, Price Everett	Hemlock	Sen., B.S.Agr.
Clark, Robert Deward	Surveyor	2d Yr. Med.
Clark, Zelith Alfonzo	Morgantown	Sen., A.B.
Clarke, Alice Williamson	Graham Station	Sen., A.B.

Clift, Irene Ellen	Chelyan	Jun., A.B.
Clovis, Edith	St. Marys	Jun., A.B.
Clovis, Eunice Madge	St. Marys	Night Class
Clovis, Hayward Edgar	Pennsboro	Sen., A.B.
Clulo, Genevieve Bernice	Morgantown	Fr., A.B.
Cochran, John Kermit	St. Marys	Sen., B.S.E.M.
Cochran, William Hazen	Morgantown	Fr., A.B.
Cochrane, Thomas Joseph B.S., New Hampshire University, 1919.	Morgantown	Grad., Eng'g.
Cody, Mildred Frances	Elkins	Sen., A.B.
Coffman, Harold Goodwin	Mannington	Sen., B.S.C.E.
Cofresi, Emilio	Mayaguez, P. R.	Fr., A.B.
Cohen, Hyman Charles	Charleston	Soph., A.B.
Cohen, Robert	Huntington	Fr., A.B.
Cohen, Sarah Charlotte	Morgantown	Fr., A.B.
Cole, Catherine Wilson	Morgantown	Sen., A.B.
Cole, George Milton	Jersey City, N. J.	Fr., A.B.
Cole, George Lough	Fairmont	Fr., B.S.E.E.
Cole, Richard Lewis	Shinnston	Jun., B.S.E.E.
Cole, Virginia Garrison	Morgantown	Sen., A.B.
Colebank, Harry George	Parsons	Sen., B.S.C.E.
Coleman, Charles Bradford, Jr.	Pratt	Fr., A.B.
Coleman, John Dawson	Clarksburg	Sen., B.S.Ch.E.
Coleman, Mary Imogen	Beckley	Fr., A.B.
Coleman, Theodore	Huntington	1st Yr. Med.
Collins, Ross Harold	Sistersville	2d Yr. Phar.
Collison, Rodwell T.	Martinsburg	Soph., A.B.
Colvin, Robert Gordon	Owings	Soph., B.S.E.E.
Comunale, Anthony Roderick B.S., Rutgers College, 1923.	Iselin, N. J.	1st Yr. Med.
Conaway, Harrison	Fairmont	Jun., A.B.
Conaway, Leila Grace	Mannington	Fr., A.B.
Conaway, Mary Josephine	Fairmont	Soph., A.B.
Condry, Raphael Joseph	Clarksburg	2d Yr. Med.
Coniff, John Waterhouse	Wheeling	Soph., A.B.
Conley, Gertrude Hilma	Gassaway	Fr., A.B.
Conley, James Stalnaker	Charleston	Jun., A.B.
Conn, Olive Harshman	Romney	Fr., B.S.H.E.
Conn, Robert Carland	Morgantown	Soph., A.B.
Connolly, Velma Hickman	Parkersburg	2d Yr. Phar.
Conti, Anthony	Youngstown, Ohio	Soph., A.B.
Conway, Charles Hughston	Morgantown	Soph., A.B.
Conway, Delbert Henry	Morgantown	Soph., A.B.
Conway, Everett Wilfred	Morgantown	Fr., B.S.E.E.
Cook, Kermit Alderson	Toney Fork	*Fr., A.B.
Cooke, Harry Wilbert	Pineville	Soph., A.B.
Cooke, Joseph Malcolm	Charleston	Fr., B.S.C.E.
Cooper, Adolph	Cass	Fr., A.B.
Cooper, Elizabeth Harriett	New Cumberland	Jun., A.B.
Cooper, Howard Gilbert	Williamstown	Fr., A.B.
Cooper, Theodore	Cass	Jun., A.B.
Copley, William Albert	Logan	Fr., B.S.M.E.
Corbin, Frank Pickering, Jr.	Morgantown	Fr., A.B.
Core, Arthur Lynn	Core	Sen., B.S.Agr.
Core, Earl Lemley	Core	Jun., A.B.
Cormany, Ingaba	Morgantown	Soph., A.B.
Cormany, William John Benj.	Belington	Sen., A.B.

Cornell, Edith Jane	Morgantown	Soph., A.B.
Cornell, Ferris Dewey	Morgantown	Grad., Agr.
M.S., Cornell University, 1924.		
Cornell, Glenn Hurston	Morgantown	Soph., B.S.E.E.
Cornell, Nelle May	Morgantown	Soph., B.S.H.E.
Corrothers, Mary Rebecca	Little Falls	Fr., A.B.
Coscia, Enrico Giordano Carl	Pittsburgh, Pa.	2d Yr. Med.
Cosgrove, William Alexander	Vanderbilt, Pa.	Soph., B.S.M.E.
Cottrell, Jack Tipton	Prestonsburg, Ky.	1st Yr. Med.
A.B., Center College, 1922.		
Cottrell, John Quincy, Jr.	Charleston	Fr., A.B.
Coughlin, Helen Mary	Morgantown	Jun., A.B.
Cowden, William Kennon, Jr.	Huntington	Fr., A.B.
Cowl, Margaret Clator	St. Albans	Fr., A.B.
Cox, Byrl Benton	Pullman	Soph., A.B.
Cox, Jane Elizabeth	Wheeling	Sen., A.B.
Cox, Mary Pauline	Shinnston	Jun., A.B.
Cox, Osa Linnell	Nutter Fort	Jun., A.B.
Cox, Ralph Leo	New Salem, Pa.	Soph., A.B.
Craig, Charles Paul	Clarksburg	Sen., A.B.
Craig, Frank Waldo	Morgantown	Grad., Agr.
B.S.Agr., West Virginia University, 1923.		
Craig, James Bruce	Clarksburg	Fr., A.B.
Craig, Joseph Elson	Morgantown	Fr., B.S.M.E.
Crane, Lillian	Morgantown	Jun., B.S.H.E.
Crane, Maxine Elliott	Morgantown	Sen., A.B.
Craver, Daniel Barth	Mt. Hope	Soph., B.S.C.E.
Crawford, Benjamin Hargis	Morgantown	Soph., B.S.E.M.
Crawford, Rosemary	Point Marion, Pa.	Fr., A.B.
Crawford, Thomas Stephen	Pursglove	Sen., B.S. in E.
Crawford, William	Pursglove	Soph., B.S.E.M.
Cricchi, James	Republic, Pa.	Soph., B.S.E.E.
Crickenberger, Du Bois	Grafton	Soph., B.S.E.E.
Criner, Francis Edward	Point Marion, Pa.	Fr., A.B.
Crooks, Ethel Jane	Clarion, Pa.	Soph., B.S.H.E.
Crow, Carl Duwayne	Moundsville	Fr., B.S.Agr.
Crow, George Burton	Ripley	3d Yr. Law
Crumpler, Benton Eugene	Williamson	Soph., B.S.C.E.
Crush, Robert Glenn	Fairmont	Jun., B.S.E.E.
Cunningham, Carleton Sewell	Martinsburg	Jun., B.S.C.E.
Cunningham, Donnie	Letart	Voc. Agr.
Cunningham, George Norman	Wheeling	2d Yr. Med.
Cunningham, James Clayton	Charleston	Jun., B.S.M.E.
Cunningham, Jessie	Wheeling	Soph., A.B.
Cunningham, Virgil Wayne	Hepzibah	Soph., A.B.
Curnes, Robert Leffridge	St. Albans	Soph., B.S.Ch.E.
Curran, James Edward	New Martinsville	Soph., A.B.
Currence, Theodore Mason	Ellamore	Fr., B.S.C.E.
Currence, Troy Mansell	Ellamore	Grad., Agr.
B.S.Agr., West Virginia University, 1923.		
Current, Wilbur Russell	Thornton	Sen., Ind. Edu.
Curry, Berval	St. Albans	Fr., A.B.
Curry, Raymond Haile	Hamlin	2d Yr. Med.
Curry, Raymond Martin	Madison	Fr., A.B.
Curtis, Don Milton	St. Marys	1st Yr. Phar.
Cushing, John Willard, Jr.	Sistersville	Fr., B.S.E.M.

D'Agostino, Georgiana Garcia	Morgantown	Sen., B.S.H.E.
Dailey, Earl Leora	Morgantown	Grad. A. & S.
A.B., West Virginia University, 1924.		
Dailey, Lorenz Adair	Terra Alta	Jun., A.B.
D'Aiuto, Daniel Thomas	Martinsburg	1st Yr. Law
D'Aiuto, Lida Maria	Martinsburg	Soph., B.S.H.E.
Daly, Paul McIntyre	Ottawa	Grad., Agr.
	Central Experiment Farm, Ottawa	
B.S.Agr., McGill University, 1921.		
Damron, Bertie Lee	Williamson	3d Yr. Law
Daniels, Willard Floyd	Elkins	1st Yr. Med.
Darkey, Nina Agnes	Parsons	*Fr., A.B.
Daughenbaugh, Paul Jones	Thomas	1st Yr. Law
A.B., West Virginia University, 1924.		
Daugherty, Sarah Madeline	Elkins	Sen., A.B.
Davia, James	Monongah	Soph., A.B.
Davidson, John Forrest	Russellville, Ky.	Fr., A.B.
Davies, Thomas Charlton	Ironton, Ohio	Jun., A.B.
Davis, Carl Lewis	Charleston	Soph., A.B.
Davis, Clarence Edwin	Huntington	Soph., B.S.C.E.
Davis, Clella Irene	Weston	Soph., B.S.H.E.
Davis, Floyd Ebey	White Hall, Ill.	Grad., A. & S.
A.B., Illinois College.		
Davis, Fred Luther	Parkersburg	Jun., A.B.
Davis, Hannibal Albert	Morgantown	Grad., A. & S.
A.B., West Virginia University, 1923.		
Davis, Hubert Beryl	Weston	Sen., B.S.Agr.
Davis, Jessie Maude	Elizabeth	Fr., B.S.H.E.
Davis, John Alexander	Parkersburg	Fr., A.B.
Davis, John Walker	Terra Alta	Soph., B.S.M.E.
Davis, Lowell Smith	Morgantown	Soph., B.S.E.E.
Davis, Maude Ellen	Flatwoods	Sen., B.S.H.E.
Davis, Mildred Burton	Mullens	*Fr., A.B.
Davis, Paul Erwin	Fairmont	Fr., B.S.E.E.
Davis, Susan Mary	Glenville	Sen., A.B.
Davis, Wayne McVeigh	Thomas	Fr., B.S.M.E.
Davis, Willis Feather	Terra Alta	Soph., B.S.E.E.
Davison, Catherine Elenore	Morgantown	Fr., B.S.H.E.
Deahl, Henry George	Morgantown	Soph., A.B.
Deahl, Kenneth	Newburg	Sen., B.S.C.E.
Deahl, Marion Henry	Davis	Soph., B.S.Agr.
Deahl, Martha Kline	Morgantown	Sen., A.B.
Deal, Loydie	Elkins	Jun., A.B.
Dean, Alice Elsworth	Elk Garden	Soph., A.B.
Deffenbaugh, Ruth	Washington, D. C.	Soph., A.B.
Defillo, Juan Basora	Mayguez, P. R.	Fr., A.B.
Deitz, Reginald Leonard	Sun	Fr., B.S.E.E.
Delaney, Clark Farrel	Pine Grove	Fr., A.B.
Demain, Catherine Hope	Morgantown	Sen., A.B.
Denny, George Hutcheson	Charles Town	Grad., A. & S.
A.B., Hampden-Sidney College, 1918.		
DeVaughn, Katheryn Irene	Morgantown	Soph., A.B.
DeVaughn, Margaret Wetzel	Morgantown	Sen., A.B.
de Verbre, Elmer Witt	Ronceverte	Sen., B.S.E.E.
Deveny, John Arlington	Fairmont	Fr., A.B.
Deveny, Thomas Augustus, Jr.	Fairmont	1st Yr. Law
Devison, Austin Wendell	Grant Town	Fr., B.S.M.E.

Dew, Mary Jane	Salem	Grad., A. & S.
A.B., Salem College, 1921.		
Diaz, Manuel Sariego	Clarksburg	Fr., B.S.E.E.
Dilcher, Charles Fischer	Charleston	Sen., A.B.
Dillon, Clinton Seckman	St. Marys	Soph., A.B.
Dillon, Henry Estel, Jr.	Smithers	2d Yr. Law
Dittman, Martha Blanche	Munhall, Pa.	Sen., B.S.H.E.
Dobbins, Paul Fleming	Morgantown	Fr., A.B.
Dobbs, Kathryn Fette	Wheeling	Soph., A.B.
Dodrill, Forest Dewey	Webster Springs	Sen., A.B.
Dolan, Catherine Antoinette	Clarksburg	Fr., B.S.H.E.
Dolley, Eunice Pennington	Gastonia, N. C.	Sen., A.B.
Dollman, Virgil Clare	Charleston	Fr., A.B.
Donaldson, Dorothy Marietta	New Martinsville	Jun., A.B.
Donkin, Mabel Virginia	Bluefield	*Fr., B.S.H.E.
Donley, David Edward	Morgantown	Jun., B.S.C.E.
Donley, Robert Tucker	Morgantown	2d Yr. Law
A.B., West Virginia University, 1924.		
Donley, Samuel Jackson	Shepherdstown	Soph., B.S.E.E.
Donovan, Charles Richard	Huntington	Jun., A.B.
Dorr, Birdie Louise	Morgantown	Fr., A.B.
Dorr, Charles Philip	Morgantown	2d Yr. Law
Dorr, Hazel Ruth	Morgantown	Fr., A.B.
Dorsey, Arch	Moundsville	1st Yr. Law
Dorsey, Carleton Paul	Kingwood	Soph., B.S.Agr.
Dorsey, Warner Arnett	Mt. Nebo	*Fr., B.S.Agr.
Dorsey, Willie Orval	Mt. Nebo	Jun., A.B.
Dotson, Nola	Richwood	Fr., A.B.
Doty, Clarence LeRoy	Charleston	Fr., A.B.
Douglas, Forrest Dayton	Buckhannon	3d Yr. Law
A.B., West Virginia Wesleyan College, 1921.		
Douglas, Gerald Randolph	Diamond	Fr., A.B.
Douglass, Edna	St. Marys	Jun., A.B.
Douglass, Edwin Holmes	Petroleum	Fr., A.B.
Dowling, Goethe Evelyn	Piedmont	Sen., A.B.
Dransfield, Arbie Glenn	Gap Mills	Soph., B.S.Agr.
Driehorst, William Albert	Wheeling	Fr., A.B.
Driver, Charles Willard	Huntington	Sen., A.B.
Duchin, Maurice Samuel	Cambridge, Mass.	Jun., A.B.
Duff, Wirt	Charleston	1st Yr. Med .
Duliere, Ruby Blanche	Point Marion, Pa.	*Fr., A.B.
Duncan, George Andrew	Clarksburg	1st Yr. Med.
Duncan, Harry Andrew, Jr.	Oak Hill	Fr., A.B.
Duncan, Harry Leon	Moundsville	1st Yr. Med.
A.B., Marietta College, 1923.		
Dunlap, Claude	South Charleston	*Fr., A.B.
Dunn, Amos	Richwood	Soph., A.B.
Dunn, Jasper McDowell	Morgantown	Grad., Agr.
B.S.Agr., West Virginia University, 1922.		
DuPuy, Elbert Newton	Beckley	Soph., A.B.
Duval, Thomas Harding	Wellsburg	Soph., A.B.
Dwinnell, Bertha Marie	Elm Grove	Soph., A.B.
Dye, Arthur Pingree	Morgantown	Grad., Agr.
B.S.Agr., West Virginia University, 1923.		
Eagan, Hugh Edward	Huntington	Fr., A.B.
Eakin, Paul Joseph	Fairmont	Fr., A.B.
Eakle, Earl Lough	Clay	3d Yr. Law
A.B., West Virginia University, 1923.		

Eakle, Hazel Linhart	Morgantown	Fr., A.B.
Earnest, William Haymaker	Export, Pa.	1st Yr. Med.
Easley, Jess Woodrum, Jr.	Dan	Soph., A.B.
Eaton, Alma Grace	Morgantown	Grad., A. & S.
A.B., Blackburn College, 1916.		
Eaton, Alonzo Guy	Fairchance, Pa.	Grad., A. & S.
B.S., Pennsylvania State College, 1924.		
Ebbert, Emma	Wheeling	Soph., A.B.
Ebeling, Margaret Virginia	Wheeling	Soph., A.B.
Edeburn, Paul Walker	West Middlesex, Pa.	Grad., A. & S.
B.S., Grove City College, 1919.		
Edwards, Laurens Frank	Charleston	Jun., B.S.M.E.
Edwards, Violet	Parkersburg	Soph., B.S.H.E.
Edwards, Warren Pratt	Charleston	Fr., A.B.
Eichenmiller, Elizabeth K.	Pittsburgh, Pa.	Fr., A.B.
Ekberg, Gustav Anthony	Morgantown	Sen., A.B.
Elliott, Allen McKinley	Elm Grove	Sen., B.S.Agr.
Ellyson, Mae	Cowen	*Fr., B.S.H.E.
Ely, Veda Mae	Mannington	Jun., A.B.
Emerick, Burley Sylvester	Uniontown, Pa.	1st Yr. Phar.
Emerson, Howard U.	Morgantown	Fr., A.B.
Engle, Daniel Evans	Charles Town	Soph., B.S.M.E.
Engler, Margaret Barbara	Wheeling	Fr., A.B.
English, Kinsey Durant	Freeport, Ohio	1st Yr. Med.
A.B., Ohio University, 1923.		
Enigson, Edward	Morgantown	Sen., A.B.
Enochs, Cecil Boone	Bluefield	Fr., A.B.
Erwin, Frank Jackson	Charleston	Soph., B.S.C.E.
Edwin, Olan Kyle	Ronceverte	Fr., B.S.Agr.
Eskins, Eugenia Kerwood	Chelyan	Fr., A.B.
Etter, Dorothy Miller	Sistersville	Jun., B.S.H.E.
Evans, Alma	Grafton	Jun., A.B.
Evans, Benjamin	Morgantown	Sen., B.S.C.E.
Evans, Charles Glenn	Morgantown	Fr., A.B.
Evans, Emma Virginia	Weirton	*Fr., B.S.H.E.
Evans, Laurence Myers	Moundsville	Fr., A.B.
Everly, Mary Carroll	Morgantown	Jun., A.B.
Everly, Paul Darlington	Morgantown	Jun., B.S.E.M.
Fahey, Margaret Frances	Moundsville	Soph., A.B.
Fairfax, Margaret Gay	Reedsville	Jun., A.B.
Falkenstein, Edna Gladys	Terra Alta	Jun., A.B.
Fallon, Angela Marie	Clarksburg	Soph., B.S.H.E.
Faris, Eleanor Elizabeth	Wheeling	Sen., A.B.
Farley, Francis Claybourne	Charleston	Jun., A.B.
Farmer, Clarence Herold	Bolt	Jun., B.S.E.M.
Farnsworth, Dana Lyda	Cox's Mills	Soph., A.B.
Farren, John William	Harrisville	Grad., A. & S.
B.S., in Ch.E., Grove City College.		
Farry, Frank Maston	East Bank	Fr., B.S.E.E.
Faulconer, John Edward	Hinton	Fr., A.B.
Faulkner, George Thomas	Morgantown	Fr., A.B.
Faulkner, Kathryne Louise	Morgantown	Fr., A.B.
Faulkner, Lynn Tecumseh	Morgantown	Sen., B.S.E.E.
Faust, Elizabeth Taylor	Morgantown	Jun., A.B.
Faust, James Hubert	Meadowbrook	2d Yr. Phar.
Feather, Paul Anthony	Fairmont	Jun., B.S.C.E.
Feather, Ruth Marie	Parsons	Fr., A.B.

Fenton, Abraham	Charleston	Fr., A.B.
Ferguson, Robert Harrison	Middlebourne	Jun., A.B.
Ferguson, Thomas Ritson	Buckhannon	Sen., B.S., Eng'g.
Ferguson, Willie	Dickson	Voc. Agr.
Ferrell, James Wilson	Philippi	Grad., A. & S.
A.B., West Virginia University, 1909.		
Fette, Edna Elizabeth	Wheeling	Soph., B.S.H.E.
Fidler, Ardvern Kemp	Tioga	2d Yr. Med.
Fields, Shirley Zelda Buller	Morgantown	Grad., A. & S.
A.B., Radcliffe College, 1924.		
Fife, Cyrus Kinsey, Jr.	Morgantown	Fr., A.B.
Fife, Frances Elizabeth	Morgantown	Grad., A. & S.
A.B., West Virginia University, 1923.		
Fife, Harvey Rowe	Buffalo	Grad., A. & S.
B.S., Morris Harvey College, 1923.		
Fife, Mary Virginia	Morgantown	*Fr., A.B.
Fike, Mavy King	Oakland, Md.	Fr., A.B.
Fink, Benjamin	Bluefield	*Fr., A.B.
Finley, George Albert	Clarksburg	Soph., A.B.
Finnell, Robert Blackman	Keyser	Sen., A.B.
Finney, Cecil Glen	Clendenin	Fr. B.S.Ch.E.
Fish George Everett	Buckhannon	Sen., B.S.E.M
Fisher Dennis Carl	Morgantown	Fr., B.S.E.E.
Fisher, Francis Pierce	Parkersburg	*Fr., A.B.
Fisher, Jessie Mabel	Morgantown	Fr., A.B.
Fisher, Lucile Miller	Fairmont	Jun., A.B.
Fisher, Ruth Mary	Morgantown	Soph., A.B.
Fisher, Stanley Robert	Morgantown	Fr., A.B.
Fisher, Viola	Morgantown	Soph., A.B.
Fisher, William Glenn	Flatwoods	Sen., B.S.Agr.
Fittro, Garnett Leona	Adamston	Jun., B.S.H.E.
Fitzgerald, Elizabeth Bolden	Bluefield	Fr., B.S.H.E.
Fitzsimmons, Wellesley Day	Elm Grove	*Fr., A.B.
Flanagan, Carl Pultz	Mannington	Fr., A.B
Flanagan, Elizabeth Louise	Huntington	Grad., A. & S.
A.B., West Virginia University ,1924.		
Flegel, Perry Stewart	Taplin	Fr., B.S.E.M.
Fleshman, Darrell Gay	Walton	Fr., A.B.
Fletcher, John Carroll	Charleston	Fr., B.S.M.E.
Fletcher, Joseph Francis	Fairmont	Jun., A.B.
Fletcher, Richard Wilson	Moundsville	Fr., A.B.
Floyd, Ernest Paul	Glenville	Jun., B.S.E.E.
Fluharty, Ira	Middlebourne	Jun., A.B.
Fluke, Samuel Bancroft	Altoona, Pa.	1st Yr. Med.
Flynn, Amy Marie	Morgantown	Jun., B.S.H.E.
Flynn, George David	Morgantown	Soph., B.S.C.E.
Fockler, Hubert Haymond	Persinger	2d Yr. Med.
Fogel, Lewis	Morgantown	Fr., A.B.
Ford, Annie Laurie Linn	Dunbar	Fr., B.S.H.E.
Foringer, Richard Leslie	West Monterey, Pa.	Fr., B.S.E.M.
Forman, Pauline Fae	Morgantown	Jun., A.B.
Forman, Theodore McClellan	Morgantown	Jun., B.S.E.E.
Forte, Patsy Dominick	Fairmont	1st Yr. Phar.
Fortney, Alton Ree	Thomas	Grad., A. & S.
A.B., West Virginia University, 1924.		
Fouchs, Lawrence Earl	New Martinsville	2d Yr. Phar.
Fox, Gordon	Sutton	Fr., A.B.

Foy, Hayward Ward	Harding	1st Yr. Med.
B.S., Davis and Elkins College, 1922.		
Frame, Hector Dow	Charleston	*Fr., A.B.
Frame, Luke Wright	Morgantown	1st Yr. Med.
B.S.Agr., West Virginia University, 1924.		
Frame, Wilbur Conan	Morgantown	3d Yr. Law
Frank, Ida Mae	Morgantown	Fr., A.B.
Frank, Joseph Bruno	Erie, Pa.	Soph., B.S.Ch.E.
Franks, William Claude	Uniontown, Pa.	Soph., A.B.
Frazier, Joseph Bartlett	Man	*Fr., A.B.
Freeman, Gilson Lorenz	Piedmont	*Fr., A.B.
Friedlander, Jack	Clarksburg	Fr., A.B.
Friend, Wayne Zearley	Charleston	Grad., Eng'g.
B.S.Ch.E., West Virginia University, 1924.		
Fuccy, Lewis James	Weston	Jun., A.B.
Fullerton, Max Robe	Morgantown	Jun., A.B.
Fullerton, Mildred Kathleen	Morgantown	Fr., A.B.
Fulton, Charles Thomas	Clarksburg	Soph., A.B.
Fulton, Clarke	Wheeling	Sen., A.B.
Funk, Fred Jack	Fairmont	Sen., B.S.E.M.
Funt, Esther Ida	Fairmont	Jun., A.B.
Funt, Martha Miriam	Fairmont	Fr., A.B.
Furbee, Jack	Terra Alta	Jun., A.B.
Furbee, James Harvey	Mannington	Sen., B.S.E.M.
Furbee, Robert Dater	Mannington	Fr., A.B.
Fuss, Leona Katherine	Cherry Run	Jun., B.S.H.E.
Gain, Charles Grantham	Romney	Sen., A.B.
Gainer, Henrietta Kathryn	Morgantown	Fr., A.B.
Gainer, James Vincent	Morgantown	Jun., A.B.
Gainer, Leo Bernard	Morgantown	Jun., A.B.
Gainer, Patrick Ward	Morgantown	Soph., A.B.
Gall, George Hugh	Belington	Soph., B.S.Agr.
Gall, Robert Martin	Philippi	Sen., A.B.
Gamsjager, John Mathias	New Milton	Grad., A. & S.
B.S., Gettysburg College, 1923.		
Gandy, Helen Cobun	Morgantown	Jun., A.B.
Ganer, Ernest Leslie	Philippi	Soph., B.S.C.E.
Gans, George	Morgantown	Fr., A.B.
Gapen, Margaretta	Jefferson, Pa.	Night Class
Gardiner, Mabel Henshaw	Martinsburg	Grad., A. & S.
A.B., West Virginia University, 1915.		
Garletts, Virgil Stephen	Morgantown	Soph., B.S.E.E.
Garner, Alta Burness	Proctor	Soph., A.B.
Garner, Mildred Mabel	Proctor	Jun., B.S.H.E.
Garner, Morris	Martinsburg	1st Yr. Phar.
Garred, Herbert William David	Charleston	1st Yr. Med.
Garrett, John Burdette	Mount Hope	Soph., A.B.
Garrison, Edwin Anderson	Parkersburg	Fr., A.B.
Garrison, William McKinley	Moundsville	Grad., Agr.
B.S.Agr., West Virginia University, 1924.		
Gaston, Lloyd Henry	Keyser	Soph., A.B.
Gates, Alexander Parker	Charleston	2d Yr. Law
Gates, Cecil Raymond	Morgantown	Sen., A.B.
Gatewood, Beatrice Ioda	McMechen	Jun., A.B.
Gatherum, Robert Storrar	Athens	Grad., A. & S.
B.S.C.E., West Virginia University, 1907.		
George, Jessie Ethelwyn	Morgantown	2d Yr. Med.

George, Mary Gaytura	Philippi	Fr., A.B.
George, William Taylor, Jr.	Philippi	*Fr., A.B.
Gertner, Samuel Irving	New York, N. Y.	Fr., A.B.
Ghiz, Luther Harvey	Logan	Fr., A.B.
Ghiz, Michael	Logan	Fr., A.B.
Gibbons, Virginia Page	Morgantown	Jun., A.B.
Gibson, Charles Higgins	West Union	*Fr., A.B.
Gibson, Mildred Estelle	Sutton	Jun., A.B.
Gibson, Raymond Layton	Huntersville	Soph., B.S.C.E.
Gidley, Louis Paul	Morgantown	Fr., B.S.C.E.
Gifford, Warren	Wallace	Grad., Agr.
B.S.Agr., West Virginia University, 1923.		
Gifford, Walter Glenn	Wilsonburg	Fr., B.S.E.E.
Gilbert, Edward McCreary	Parkersburg	Jun., A.B.
Gilbert, Ernest Hoge, Jr.	Morgantown	Fr., A.B.
Gilbert, Helene Marie	Morgantown	Sen., A.B.
Gilbert, Mary Brown	Morgantown	Fr., A.B.
Gill, John William	Morgantown	Soph., B.S.M.E.
Gill, William Raymond	Honey Grove, Texas	2d Yr. Law
Gillespie, Elizabeth Lois	South Charleston	Fr., B.S.H.E.
Gillie, Percy Henry	Charleston	Jun., B.S.E.M.
Gilmore, Delbert Excell	Parsons	*Fr., A.B.
Gimbert, George Russell	Oceana, Va.	Sen., B.S.Agr.
Giovannitti, Louis Gene	Swissvale, Pa.	1st Yr. Phar.
Given, Clarence Anthony	Wills	Fr., A.B.
Glaros, Thomas	Youngstown, Ohio	Fr., A.B.
Glenn, Albert Hudson	Elkins	Fr., A.B.
Glisan, Mary Elizabeth	Morgantown	*Fr., A.B.
Glynn, Honora	Wheeling	Soph., A.B.
Gocke, Mary Catherine	Piedmont	Jun., A.B.
Godfrey, Allie Howard	Morgantown	Grad., A. & S.
A.B., Emory & Henry College, 1918.		
Goff, Aubrey Francesco	Glenville	Sen., A.B.
Goff, Fred Hardman	Clarksburg	Fr., A.B.
Good, James William	Charleston	Fr., B.S.E.E.
Goodall, Albert Lewis	Charleston	Fr., A.B.
Goodall, Cecile Roberta	Charleston	Jun., A.B.
Goodall, Elizabeth Jane	Charleston	Jun., A.B.
Goodall, Ralph Edward	Barnesboro, Pa.	1st Yr. Med.
Goodman, Alfred Vernon	Raleigh, N. C.	1st Yr. Med.
Goodman, John Vollmer	Clarksburg	Jun., A.B.
Goodwin, George Reay	Morgantown	1st Yr. Law
Goodwin, Mary Louise	Morgantown	Jun., A.B.
Gordon, Leonard Howard	Charleston	Fr., A.B.
Gore, Charles Findley	Charleston	2d Yr. Law
Gorrell, Earl Lewis	Friendly	Sen., A.B.
Gorrell, Lewis Oliver	Morgantown	Fr., B.S.Ch.E.
Gould, Edwin	Weston	*Fr., B.S.Agr.
Grady, Donald Okey	Ripley	Fr., B. S. E. E.
Graham, Fred Hartley	Morgantown	Soph., A.B.
Graham, James Parks	Fairmont	Jun., A.B.
Gramm, Frederic Wagner	Charleston	Sen., B.S.E.E.
Gray, Frederick Raine	Rainelle	Fr., B.S.E.E.
Gray, James Howard	Clarksburg	Fr., A.B.
Gray, Robert Thomas	Lumberport	Grad., Agr.
B.S.Agr., University of Maryland, 1914.		
Green, William Thomas	Charleston	Fr., A.B.

Greenspon, Lawrence	Bluefield	Fr., A.B.
Greer, Creed Collins	Parkersburg	1st Yr. Med.
Gregoline, Amadel Ferruccio	Harding	1st Yr. Med.
Gregory, Henry Clay	Corley	Soph., A.B.
Gribble, Anna Merle	Morgantown	Sen., A.B.
Griffin, Beulah Virginia	Morgantown	Fr., A.B.
Griffin, Grace Margaret	Madison, Wis.	Grad., A. & S.
A.B., University of Wisconsin, 1910.		
Griffin, Loy Edgar	Wyatt	Jun., B.S.Agr.
Griffith, Evan Llewellyn, Jr.	Clarksburg	Fr., A.B.
Griffiths, Mart William	Beckley	Soph., A.B.
Grimm, Robert Burdette	Littleton	Soph., A.B.
Grose, Joseph Tyler, Jr.	Fayetteville	Fr., A.B.
Gross, Marian Marshall	Morgantown	Jun., A.B.
Grubb, Albert Leslie	Berkeley Springs	Soph., B.S.C.E.
Guthrie, J. Hawthaway	Charleston	Soph., B.S.C.E.
Gwinn, Joseph Kenneth	Hinton	Fr., B.S.E.E.
Hadden, Harry Scott	Princeton	Soph., A.B.
Hagan, Edward Franklin	Hundred	Jun., B.S.E.M.
Hagar, Mary Elizabeth	Weston	Fr., A.B.
Hager, James Lawrence	Charleston	Fr., A.B.
Ph.G., West Virginia University, 1923.		
Hague, Eugene Triplett	Parkersburg	Soph., A.B.
Haislip, Norvell Leonard	Wheeling	1st Yr. Med.
A.B., West Virginia University, 1924.		
Haislip, Richard Connor	Wheeling	Jun., A.B.
Halbritter, Russell Doyne	Tunnelton	Grad., A. & S.
A.B., West Virginia Wesleyan College, 1923.		
Hall, Ave Beatrice	Harrisville	Fr., A.B.
Hall, Byron William	Sutton	Soph., B.S.Ch.E.
Hall, Clifton Sturgis	Point Marion, Pa.	Jun., B.S.C.E.
Hall, Clyde Hampton	Holstead	1st Yr. Law
Hall, Cullen	Williamson	Fr., A.B.
Hall, Earl Mason	Hinton	Soph., A.B.
Hall, Emil Kermit	Madison	*Fr., B.S.Agr.
Hall, Grant Pierson, Jr.	Charleston	3d Yr. Law
Hall, Harvey Glenn	Edinboro, Pa.	Sen., A.B.
Hall, Juanita Rebecca	Horner	Soph., B.S.H.E.
Hall, Lillian Kathryn	Harrisville	Fr., A.B.
Hall, Opal Lucile	Morgantown	Fr., A.B.
Hall, Robert Edwin	Horner	Fr., B.S.Agr.
Hall, Thomas Lee	McMechen	3d Yr. Phar.
Hall, William Conrad	Hurst	Jun., A.B.
Haller, Jean Dorothy	Elm Grove	Fr., A.B.
Haller, Mabel Goodwin	Morgantown	Jun., A.B.
Halloran, Linville Murrell	Hinton	Soph., A.B.
Hamby, Ruth Virginia	Davis	Soph., A.B.
Hamill, Maurice Ralph	Mill Creek	Jun., B.S.C.E.
Hamill, Mazie Elizabeth	Wheeling	Jun., A.B.
Hamill, Maurice Ralph	Mill Creek	Jun., B.S.C.E.
Hamilton, Frank	Van Voorhis	Soph., A.B.
Hamilton, Glenn Wilson	Moundsville	Fr., A.B.
Hamilton, Kathryn	Morgantown	Soph., A.B.
Hammat, Dorothea Lee	Wheeling	Fr., A.B.
Hammel, Elizabeth Marie	Catonsville, Md.	Fr., A.B.
Hamrick, Lucretia Olive	Clarksburg	Soph., A.B.

Hamrick, Martin Elliott	Newburg	Grad., A. & S.
A.B., West Virginia Wesleyan College, 1921.		
Hamrick, Mayme	Webster Springs	Special, Law
LL.B., Duquesne University, 1923.		
Hamrick, Roland Edward	Clay	1st Yr. Med.
Hamstead, Ezra Elbert	Eglon	3d Yr. Law
Hannah, Mary Florence	Marlinton	Grad., A. & S.
A.B., West Virginia Wesleyan College, 1921.		
Hannah, Besse	Edray	Fr., A.B.
Hannah, Vesta Clio	Morgantown	Soph., A.B.
Hannon, John William Guy	Wana	2d Yr. Med.
Hannum, Wilda Belle	Levels	Sen., A.B.
Hanst, George Herbert	Kingwood	Fr., A.B.
Hardin, Nestor Carl	Philippi	Soph., B.S.Agr.
Hardman, Harry H.	Spencer	Fr., A.B.
Hardy, Charles Michael	Sharon, Pa.	Fr., A.B.
Hare, Charles Raymond	Morgantown	Fr., B.S.E.M.
Hare, Mary Alma	Morgantown	Fr., A.B.
Harkins, Duncan Claire	Morgantown	Grad., A. & S.
A.B., West Virginia University, 1921.		
A.M., West Virginia University, 1923.		
Harkins, Harold Earl	Morgantown	Jun., B.S.Ch.E.
Harlan, Paul Warren	Moundsville	Fr., B.S.E.E.
Harloe, Lucile Frances	Matoaka	Soph., A.B.
Harmar, Charles	Tazewell, Va.	Fr., A.B.
Harmer, Blanche	Shinnston	Soph., A.B.
Harmer, Hardin Roads	Shinnston	3d Yr. Law
A.B. West Virginia University, 1922.		
Harney, John Edward	Scranton, Pa.	Fr., B.S.C.E.
Harper, Camille DeVol	Spencer	Jun., A.B.
Harper, Elizabeth Genevieve	Davis	Jun., B.S.H.E.
Harper, Mildred Virginia	Meadowbrook	Soph., A.B.
Harpold, Allan Earl	Ravenswood	Sen., B.S.C.E.
Harpold, Margaret Helen	Ravenswood	Jun., B.S.H.E.
Harrick, William	Punxsutawney, Pa.	Fr., Agr.
Harrington, William Michael	Princeton	Fr., B.S.E.E.
Harris, Benjamin Franklin	Morgantown	Soph., A.B.
Harris, Robert Edwin	Logan	Fr., A.B.
Harris, Ronald Daniel	Moundsville	Fr., B.S.E.E.
Harris, Ruth	Monongah	Grad., A. & S.
A.B., William & Mary College, 1922.		
Harrison, Lucien Edgar	Huntington	Sen., B.S.C.E.
Harsanyi, John	Nellis	Soph., B.S.E.M.
Harsh, Fairy Virginia	Dallas	Sen., A.B.
Harsha, Gene Melford	Weston	Soph., A.B.
Harshbarger, Frances	Onawa, Iowa	Grad., A. & S.
B.A., Grinnell College, 1923.		
Harshman, Gerald Kenneth	New Salem, Pa.	Fr., A.B.
Hartley, Alice Evelyn	Morgantown	Fr., A.B.
Hartley, Carrie Mildred	Morgantown	Jun., A.B.
Hartley, Luther Sherman	Cottageville	Sen., B.S.Agr.
Hartman, Edwin Thomas	Morgantown	Jun., B.S.E.E.
Hartzell, Gladys Link	Shepherdstown	Jun., A.B.
Harvey, John Walker	Oak Hill	Sen., A.B.
Haskins, Emma Louise	Wheeling	Sen., A.B.
Hastings, Lynn	Morgantown	Special. A. & S.
Hatfield, Elizabeth Aileen	Morgantown	Fr., A.B.
Hatfield, E. Thelma	Charleston	Soph., A.B.
Hatfield, Ewell Warren	Charleston	Soph., A.B.

Hatfield, Forrest Gold R.	Charleston	Soph., A.B.
Haught, Mabel Ida	Littleton	Soph., A.B.
Hawkins, Joseph Allen	Wardensville	Jun., A.B.
Hawley, Roy McKinley	Bluefield	Jun., A.B.
Hay, Virginia Elizabeth	Minneapolis, Minn.	Fr., A.B.
Hayden, Ruth Louise	Uniontown, Pa.	Soph., A.B.
Hayes, Frances Herrington	Wheeling	Fr., A.B.
Hayes, Margaret Ruth	Morgantown	Fr., A.B.
Hayes, William Stuart	Morgantown	Sen., B.S.C.E.
Hays, Kathleen Tennys	Parkersburg	Fr., A.B.
Hayward, Wilbert John	Morgantown	Fr., B.S.E.M.
Hayzlett, Audra Hillard	Mullens	Fr., A.B.
Headlee, Clarence Ottas	Morgantown	Jun., B.S.Agr.
Heany, Charles Maurice	Charleston	Special, Eng'g.
Heathcote, William Richard	Morgantown	Sen., A.B.
Hechmer, George Willis	Grafton	Fr., B.S.C.E.
Heck, Henry Albert	Spencer	Fr., A.B.
Hedrick, Forest William	Greenbank	Grad., Agr.
B.S.Agr., West Virginia University, 1923.		
Hedrick, Thomas Day	Lewisburg	Jun., B.S.E.E.
Hefner, Arnold Moore	Grafton	Soph., A.B.
Heilmann, James Bert	Morgantown	1st Yr. Law
Heizer, William Thomas	Charleston	Jun., B.S.C.E.
Heller, Jacob	Cleveland, Ohio	1st Yr. Med.
Helmick, John Pierpont	Fairmont	Sen., A.B.
Hemington, David Emerson	Uniontown, Pa.	Jun., A.B.
Henderson, Mahlon Lucas	Fairmont	Sen., B.S.E.E.
Henry, Herschel Emery	Morgantown	Fr., A.B.
Henry, Thomas Stanley	Morgantown	Fr., B.S.M.E.
Hensell, Alouise	Morgantown	Fr., B.S.H.E.
Hensell, Mary Josephine	Morgantown	Jun., A.B.
Henthorn, Max Conaway	Middlebourne	*Fr., B.S.Agr.
Hereford, John Withers	Morgantown	Sen., A.B.
LL.B., West Virginia University, 1923.		
Hereter, Luis Lorgio	Caguas, P. R.	Fr., A.B.
Hermann, Harry Frederick	Triadelphia	Sen., B.S.C.E.
Herndon, Lyle Kermit	Charleston	Jun., B.S.Ch.E.
Herndon, Nettie Southworth	Morgantown	Sen., A.B.
Herold, George Dana	Summersville	3d Yr. Law
A.B., West Virginia University, 1924.		
Herron, Olive Eleanor	So. Brownsville, Pa.	Special A. & S.
Hervey, Henry Jacob	Morgantown	Grad., A. & S.
A.B., West Virginia University, 1903.		
Herzbrun, Maurice Dewey	Welch	Fr., A.B.
Hess, Dowe Scott	Cowen	Soph., A.B.
Hess, Lester Clay	Mannington	Sen., A.B.
Heyn, Harry Victor	Hollywood, Calif.	Soph., A.B.
Hibbs, Jefferson Walters	Uniontown, Pa.	Soph., B.S.Ch.E.
Hickman, William	Pennsboro	1st Yr. Law
Hicks, Dana Minter	Webster Springs	Jun., A.B.
Hiett, William Henry	Hanging Rock	Soph., A.B.
Higbee, William Brown	Connellsville, Pa.	Soph., A.B.
Higginbotham, John Denten	Charleston	Fr., A.B.
Highland, Stephen Lee	Clarksburg	Soph., A.B.
Hill, Frank Russell	Charleroi, Pa.	Fr., A.B.
Hill, George Delmas	Camden-on-Gauley	*Fr., A.B.
Hill, Harry	Clayton	Grad., A. & S.
M.S., West Virginia University, 1924.		

Hill, Louis Hawes	Charleston	Sen., C.E.
Hill, Maud Rymer	Morgantown	Fr., A.B.
Hill, Pearl	Middlebourne	Jun., A.B.
Hill, Philip Henry	Morgantown	2d Yr. Law
Hill, Samuel Claude	Charleston	Fr., B.S.E.E.
Hill, McKinley Tennyson	Middlebourne	Voc. Agr.
Hilliard, John Orval	Morgantown	Jun., A.B.
Hilliard, Ruth Erma	Morgantown	Soph., B.S.H.E.
Hinerman, Chauncey Depew	Cameron	3d Yr. Law
Hines, Kenneth Arden	Pennsboro	2d Yr. Med.
B.S., Allegheny College, 1923.		
Hiser, Charles Oscar	Romney	Jun., B.S.Agr.
Hiteshew, Beulah Mae	Cumberland, Md.	Fr., A.B.
Hoard, Carlyle Michael	Morgantown	Soph., B.S.E.M.
Hobensack, Roland Henry	Parkersburg	Soph., A.B.
Hodges, Richard Edward	Alderson	Soph., B.S.E.E.
Hodgson, Catherine Parsons	Morgantown	Jun., A.B.
Hoffman, Lee Herbert	Wheeling	Fr., B.S.C.E.
Hoffmaster, Mary Jannette	Millville	Sen., A.B.
Hogan, Edward Dunten	Parkersburg	Sen., A.B.
Hoge, Mary Rinehart	Waynesburg, Pa.	Fr., A.B.
Hogue, Frank William	Paw Paw	Grad., A. & S.
A.B., West Virginia University, 1922.		
Hogue, James Edgar, Jr.	Morgantown	Fr., A.B.
Hoke, Dwight Moody	Organ Cave	2d Yr. Med.
Hokman, William John	Elkins	Grad., A. & S.
A.B., Davis and Elkins College, 1923.		
Holbert, Carl Clinton	Shinnston	Soph., B.S.C.E.
Holden, James Lemuel	Morgantown	Sen., B.S.Agr.
Holden, Rufus	Grafton	*Fr., A.B.
Holland, Charles Thomas	Winona	Fr., B.S.E.M.
Holland, Robert Paul	Logan	Jun., A.B.
Holland, Virginia Gladys	Morgantown	Fr., A.B.
Holliday, Harry Afton	Parkersburg	Fr., B.S.M.E.
Holmboe, Leo Marcus	Clarksburg	Fr., A.B.
Holmes, Maurice Coffyn	Raleigh	Sen., B.S.E.E.
Holstein, James William	Kingston	Soph., A.B.
Holswade, Geo. Washington, Jr.	Spencer	Sen., B.S.Agr.
Holt, Elizabeth Clyan	Glenville	Soph., A.B.
Holtzmann, David Marshall	Brooklyn, N. Y.	Fr., A.B.
Honaker, Harold Rodney	Huntington	Jun., B.S.E.M.
Hood, Burhl Dye	Williamstown	Fr., A.B.
Hood, Ralph Glen	Williamstown	Sen., A.B.
Hopkins, Ralph Joseph	Clarksburg	Sen., A.B.
Hott, George David	Morgantown	1st Yr. Law
A.M., West Virginia University, 1924.		
Householder, Edgar Ione	Martinsburg	1st Yr. Phar.
Houseman, Violet Roxey	St. Marys	Sen., A.B.
Houston, Clara Ruth	Morgantown	Soph., A.B.
Houston, James Lloyd	Jeannette, Pa.	Fr., A.B.
Houston, Patty	Cameron	Jun., A.B.
Howard, Carson Edison	Cameron	Soph., B.S.C.E.
Howard, Charles Leroy	Triadelphia	Soph., A.B.
Howard, Henry Price	Middlebourne	Fr., A.B.
Hoylman, Margaret	Caldwell	Soph., A.B.
Hoylman, Mary Virginia	Pickaway	Night Class
Hubbs, Nancy Irene	Morgantown	Fr., A.B.
Huddleton, Eva Malone	Oak Hill	*Fr., A.B.

Huey, Lawrence George	Mannington	Jun., A.B.
Hughart, Joseph Marvin	Morgantown	Soph., A.B.
Hughes, William Chalmers	Morgantown	Fr., A.B.
Hughes, William Edward	Parkersburg	Soph., A.B
Hull, Donald Burns	Ridgewood, N. J.	1st Yr. Med.
Humphrey, Edwin Jacob	Belleville	Fr., A.B.
Humphrey, Mary Frances	Wheeling	Fr., A.B.
Humphrey, Thomas Field	Wheeling	Fr., A.B.
Hunger, William Kingsley	Vandergrift, Pa.	Soph., A.B.
Hungerford, Frank Lee	Morgantown	Soph., A.B.
Hungerford, Rebecca	Oak Hill	Jun., A.B.
Hunker, Carrie Belle	Morgantown	Soph., A.B.
Hunt, Jessie	Flatwoods	Fr., A.B.
Hunter, Charles Herbert	Point Marion, Pa.	Fr., B.S.Agr.
Hunter, Dale Carlyle	Morgantown	2d Yr. Law
Hunter, Helen Carolyn	Morgantown	Soph., A.B.
Hunter, Helen Elizabeth	Morgantown	Sen., A.B.
Hunter, Hugh Harrison	Berkeley Springs	Fr., B.S.E.E.
Hunter, Mae Rufina	Morgantown	Grad., A. & S.
A.B., West Virginia Wesleyan College, 1919.		
Hunter, Thomas Bailey	Morgantown	2d Yr. Med.
Hurley, Kathleen	Wheeling	Soph., A.B.
Hutchinson, Hugh Frederick	Williamson	Fr., B.S.Agr.
Hutchinson, Robert Jay	Fairmont	Fr., A.B.
Hutchison, James Amos	Hinton	Soph., B.S.E.E.
Hyde, Robert Peel Shrewsbury	Charleston	Soph., B.S.C.E.
Ice, Lester Lucas	Morgantown	Fr., B.S.M.E.
Ice, Letha	Morgantown	Soph., A.B.
Ihlenfeld, Alfred Edward Carl	Wheeling	Jun., A.B.
Imholz, Harry William	Morgantown	Sen., B.S.E.M.
Ireland, Carmen Ethelyn	Morgantown	Fr., B.S.H.E.
Ireland, Frances Laone	Morgantown	Soph., A.B.
Irons, Dale	Colfax	Fr., B.S.Ch.E.
Irwin, George William	Homestead, Pa.	Soph., A.B.
Iseminger, Harry Russell	Hagerstown, Md.	Fr., A.B.
Isern, Rafael Vilar	Caguas, P. R.	Soph., A.B.
Izzo, Albert	Dunbar, Pa.	Fr., B.S.E.E.
Jablonsky, Albert	Jeannette, Pa.	2d Yr. Med.
B.S.M.E., Carnegie Institute of Technology, 1922.		
Jackson, Carl Curtis	Big Chimney	2d Yr. Med.
Jackson, Charles Daniel	Huntington	Fr., B.S.E.E.
Jackson, Garrett, Jr.	Chester	Fr., A.B.
Jackson, George William	Jane Lew	Soph., A.B.
Jackson, Neva Violet	Philippi	Jun., A.B.
Jackson, Wilfred	Elkins	Jun., B.S.Agr.
Jackson, William Gale	Williamstown	Soph., B.S.Ch.E.
Jamison, Georgia Garnet	Morgantown	Grad., A. & S.
A.B., West Virginia University, 1924.		
Janus, Alexander George	Montgomery	Special, A. & S.
Jeffers, Ruth Carlton	Parkersburg	Fr., A.B.
Jeffreys, Robert Larew	Grafton	Fr., A.B.
Jeffries, Mildred Evelyn	Morgantown	Soph., A.B.
Jenkins, Mary Lucile	Morgantown	Jun., A.B.
Jennewine, Frederick Henry	Cheat Haven, Pa.	Soph., B.S.E.M.
Jenni, Clyde Bernard	Morgantown	Sen., B.S.Ch.E.
Jeter,, James Garrett, Jr.	Mount Gay	2d Yr. Law

Jiler, Bernard David	Mt. Vernon, N. Y.	*Fr., A.B.
Jinkerson, Claude Haywood	Mooseheart, Ill.	Fr., A.B.
Jobes, Virginia Pauline	Pennsboro	Fr., B.S.H.E.
Johns, David William	Glasgow	Jun., B.S.C.E.
Johnson, Carl Edward	Thomas	2d Yr. Med.
A.B., West Virginia University, 1924.		
Johnson, Clyde Bosworth	Charleston	Soph., B.S.E.E.
Johnson, Cornelia Isabel	Franklin	Jun., A.B.
Johnson, Frank James	Anawalt	1st Yr. Med.
Johnson, Garland	Bridgeport	Soph., A.B.
Johnson, George McKendree	Parkersburg	Fr., A.B.
Johnson, Helen	Keyser	Jun., A.B.
Johnson, Helen Gould	Wheeling	Sen., A.B.
Johnson, Herman Gordon, Jr.	Elkins	Fr., A.B.
Johnson, Howard Melvin	Morgantown	Fr., A.B.
Johnson, Jesse Ray	Huntington	2d Yr. Med.
Johnson, Jesse Taliaferro	Meadow Bridge	2d Yr. Med.
Johnson, Lewis Edmond	Berkeley Springs	1st Yr. Law
Johnson, Marinda Margaret	Malden	Jun., A.B.
Johnson, Mildred Elizabeth	Parkersburg	Soph., A.B.
Johnson, Odes Page	Morgantown	Fr., B.S.C.E.
Johnson, Pauline	Frametown	*Fr., B.S.H.E.
Johnson, Rebecca	Keyser	Jun., B.S.H.E.
Johnson, Roy Hamlin	Wolf Summit	Soph., A.B.
Johnson, Ruth	Fairmont	Sen., A.B.
Johnson, Wilfred Glenn	Morgantown	Fr., A.B.
Johnston, Gayle	Warsaw, Ohio	Grad., A. & S.
A.B., Bethany College, 1921.		
Johnston, John Scott	Wheeling	Jun., A.B.
Johnston, Olive Mae	Morgantown	Soph., A.B.
Johnston, Walter Broughton	McDowell	Fr., A.B.
Jolley, Amy Irene	Follansbee	Soph., A.B.
Jolliffe, Martha Ellen	Grafton	Sen., B.S.H.E.
Jolliffe, Mary Esther	Morgantown	Grad., H.E.
B.S.H.E., West Virginia University, 1920.		
Jolliffe, Norman Hayhurst	Morgantown	Grad., A. & S.
B.S., West Virginia University, 1923.		
Jolliffe, Sarah Van	Morgantown	Soph., A.B.
Jones, Carter Dunnington	Fairmont	Jun., A.B.
Jones, Edwin Channing	Smithton	Sen., B.S.E.E.
Jones, Elsie Mabel	Morgantown	Jun. A.B.
Jones, Ethel Maude	Morgantown	Jun. A.B.
Jones, Geneva Eleanor	Morgantown	Sen., A.B.
Jones, Geoffrey Page	Charleston	Soph., B.S.M.E.
Jones, Gladys Luceille	Clarksburg	Jun., A.B.
Jones, Harry Benjamin	Thayer	Fr., A.B.
Jones, Mary Virginia	Morgantown	Fr., A.B.
Jones, Mildred Grace	Morgantown	Soph., B.S.H.E.
Jones, Robert Harold	Fairmont	Soph., A.B.
Jones, William J., Jr.	Morgantown	Grad., Agr.
Judy, Dorothy Pierce	Davis	Fr., A.B.
Kahn, Benjamin Dan	Fairmont	Grad., A. & S.
B.S., Colgate University, 1915.		
Kalo, Albert Martin	Morgantown	Soph., B.S.E.E.
Kammer, Rita Marie	Wheeling	Soph., A.B.
Kane, Thomas Leiper	Kane, Pa.	Fr., A.B.
Kane, William Edward	Fitcairn, Pa.	Fr., A.B.

Kautz, Wilbur Charles	Charleston	Fr., A.B.
Kay, Dorothy	Morgantown	Soph., A.B.
Kay, Hubert Ames	Morgantown	Soph., A.B.
Kaylor, John, Jr.	Graham Station	1st Yr. Law
A.B., West Virginia University, 1924.		
Kayser, Fayne Albert	Morgantown	1st Yr. Med.
Keefer, Clarence Edwin	Cameron	Fr., A.B.
Keener, Joseph Lindell, Jr.	Morgantown	*Fr., A.B.
Keeney, Kendall Haworth	Ravenswood	Jun., A.B.
Keighron, Eugene Leonard	Morgantown	Fr., A.B.
Keith, Harry	Harrisville	Fr., A.B.
Keller, Frederick Doyle	Parkersburg	Soph., A.B.
Kelley, Dana Paul	Masontown	Fr., B.S.M.E.
Kelley, Sarah Hazel	Brandonville	Soph., A.B.
Kellman, George Max	Beckley	Soph., A.B.
Kelly, Anna	Wheeling	Soph., A.B.
Kelly, Clyde Ernest	Scottdale, Pa.	1st Yr. Med.
B.A., Bucknell University, 1924.		
Kelly, Eugene Thomas	Brooklyn, N. Y.	Fr., B.S.C.E.
Kelly, Francis Benedict	Tunnelton	Fr., A.B.
Kelly, Liguori Joseph	Piedmont	2d Yr. Phar.
Kemper, Virgil Hamilton	Morgantown	1st Yr. Med.
Kendrick, James Garrison	Weston	Fr., B.S.Agr.
Kennedy, Clyde Raymond	Porter's Falls	Soph., A.B.
Kennedy, Harry Greene	Charleston	Jun., B.S.E.M.
Kenney, Bertha Virginia	Morgantown	Jun., B.S.H.E.
Kenney, Estel Sheets	Charleston	Soph., A.B.
Kenny, Winifred	Wheeling	Soph., A.B.
Kerr, Clarence Henry	Pennsboro	Soph., A.B.
Kesling, William Carl	Gassaway	1st Yr. Phar.
Kessinger, John Leslie	Princeton	Soph., B.S.E.E.
Kester, Freda Ellen	Clarksburg	Sen., B.S.H.E.
Ketchum, Robert Dickerson	Charleston	Soph., A.B.
Keys, Florence Rebecca	Morgantown	Night Class
Keys, Frank Glendel	Middlebourne	Fr., A.B.
Kight, John Henry	Ridgeley	Jun., A.B.
Kight, Joshua Ledane	Ridgeley	Jun., A.B.
Kincaid, Harlan Burdette	Morgantown	Fr., B.S.E.E.
Kindelberger, Margaret F.	Wheeling	Soph., A.B.
Kindelberger, Martha Louise	Wheeling	Fr., A.B.
King, Elzie Marion	Clarksburg	Fr., A.B.
King, Genevieve Nanete	Huntington	Fr., A.B.
King, Harmon Richard	Kingwood	*Fr., A.B.
King, Russell Warden	Charleston	Jun., B.S.E.M.
King, Samuel Rodgers	Ripley	Fr., A.B.
Kinney, Charles Encil	Fairmont	Jun., B.S.C.E.
Kirchner, Ralph Nisus	Welch	Fr., B.S.E.E.
Kirker, Estella Clendenin	Wellsburg	Jun., A.B.
Kirtley, Charles Hampton	Huntington	Fr., B.S.E.E.
Kishbaugh, Clayce Gordon	Clarksburg	Fr., A.B.
Kisner, Albert George	Fairmont	Sen., B.S.E.E.
Kittle, George Monroe	Philippi	Soph., A.B.
Klages, Ellett Huber	Brooklyn, N. Y.	2d Yr. Law
Klein, Jack	Brooklyn, N. Y.	Soph., A.B.
Klostermeyer, Howard R.	Charleston	2d Yr. Law
Knapp, Lewis William	Bethany	Grad., A. & S.
A.B., Bethany College, 1923.		
Knapp, Ruth Berkley	Morgantown	Fr., B.S.H.E.

Knopp, Helen Keith	Alderson	Jun., A.B.
Knopp, Virgil Sylvester	Parkersburg	Jun., B.S.M.E.
Knotts, Ronald Lawrence	Grafton	*Fr., A.B.
Knutti, Ralph Eddy	Morgantown	1st Yr. Med.
A.B., West Virginia University, 1923.		
Kohler, Charles	New Castle, Pa.	Fr., A.B.
Kokenes, Peter George	Wheeling	2d Yr. Med.
Konrad, John Jacob	Killarney	Fr., B.S.C.E.
Koon, Charles Fay	Monongah	Sen., A.B.
Kopelman, Samuel David	Vandergrift, Pa.	1st Yr. Med.
Kough, Othello Springer	Uniontown, Pa.	Fr., A.B.
Kraft, Elizabeth Sarah	Wellsburg	Soph., A.B.
Kramer, Fred Herman	Parkersburg	Soph., B.S.E.E.
Kramer, Hunter Nickell	Ronceverte	1st Yr. Law
Kranaskas, Cecelia Samueline	Thomas	1st Yr. Phar.
Krebs, Walter Fred	Holliday's Cove	Fr., B.S.Ind.Ed.
Krickovic, Stephen	Maidsville	Soph., B.S.E.M.
Kuhn, Ernest Guy	Farmington	Jun., A.B.
Kurtz, Kenneth Swan	Weston	2d Yr. Law
A.B., West Virginia University, 1924.		
Kuykendall, James Sloan, Jr.	Romney	*Fr., A.B.
LaBarre, Nestor Marshall	Salem	1st Yr. Med.
Lafferty, Clarence Paul	Moundsville	Fr., A.B.
Lafferty, Mary Jane M.	Moundsville	*Fr., B.S.H.E.
Lafollette, Latelle McKee, Jr.	Charleston	1st Yr. Law
A.B., Swarthmore College, 1924.		
Laing, Alexander Wright, Jr.	Charleston	Soph., A.B.
Lakin, Florence Katherine	Charleston	Soph., A.B.
Lambert, Charles Patton	Bluefield	*Fr., A.B.
Lambert, Harry Bonner	Parsons	Soph., A.B.
Lambert, John Wilfred	Huntington	Soph., B.S.E.E.
Lambert, Wintford	Morgantown	Sen., B.S Agr.
Lane, John Thomas	Clarksburg	Jun., A.B.
Langfitt, Lyle Edgar	West Union	Sen., B.S.C.E.
Langfitt, Walter Nelson	Parkersburg	Soph., A.B.
Langfried, Olive Lee	Cameron	Soph., A.B.
Lanham, Kathleen Loye	Tunnelton	Fr., B.S.H.E.
Larimer, Paul Davis	Patton, Pa.	Fr., A.B.
Larrison, Millard Samuel	St. Albans	Fr., B.S.E.E.
Larue, George William	Masontown	Fr., A.B.
Latham, George Robert	Elkins	Soph., B.S.E.E.
Latham, Winchester Thayer	Buckhannon	Soph., B.S.C.E.
Laughlin, Gladys	Warsaw, Ohio	Special B.S.H.E.
Law, Carolyn Waldo	Clarksburg	Fr.. B.S.H.E.
Lawrence, Elizabeth Adelaide	Morgantown	Soph., A.B.
Lawson, George Cowen	South Charleston	Voc. Agr.
Lawson, Helen Verniece	Elm Grove	Soph., B.S.H.E.
Lawson, Leon Kline	Bridgeport	Sen., A.B.
Lawson, Marguerite Loraine	Weston	Soph.. A.B.
Lawson, Mason Glenn	Stallings	Fr., A.B.
Lawson, Stanley King	Elm Grove	Soph., A.B.
Layman, Earl E.	Montana Mines	Voc. Agr.
Lazzell, Francis Delmar	Morgantown	Soph., B.S.E.M.
Leachman, Lucille Margarette	Morgantown	Jun., B.S.H.E.
Leavitt, Charles	Parkersburg	*Fr., A.B.
Leavitt, Elizabeth Anne	Parkersburg	Jun., A.B.
Lee, Raymond Clarence	Middlebourne	Jun., A.B.

Lee, Russell Tyree	Clarksburg	Fr., A.B.
Leeson, Clarence Eugene	Ravenswood	Soph., A.B.
Leffingwell, Harold Randall	Charleston	2d Yr. Med.
B.S., Allegheny College, 1923.		
Lehman, Josephine Anna	Fairmont	Fr., A.B.
Lehman, Margaret Lee	Charleston	Soph., A.B.
Lehman, William Parry	Fairmont	1st Yr. Law
Leith, Theodric Bryant	Morgantown	Grad., A. & S.
A.B., Washington and Lee University, 1916.		
Lemley, Edis Lee	Morgantown	Fr., A.B.
Lemley, Herman Ashley	Parkersburg	Fr., Ind. Eng'g.
Lemley, Nell Gertrude	Morgantown	Soph., A.B.
Lemley, Virginia Martin	Parkersburg	Jun., B.S.H.E.
Lemley, William Corbley	Morgantown	1st Yr. Law
Leonard, Catherine Elizabeth	Mannington	Fr., B.S.H.E.
Lepera, Alice Virginia	Morgantown	Jun., A.B.
Lepera, Emory	Morgantown	Fr., A.B.
Lepera, Frank	Morgantown	Sen., B.S.C.E.
Leppert, Charles Lynville	Morgantown	Sen., A.B.
Lester, Frank Mack	Oakvale	Voc. Agr.
Levings, Fanny Parker	Romney	Sen., A.B.
Lewis, Charles Cameron, Jr.	Point Pleasant	Fr., B.S.Agr.
Lewis, Clarence Emerson	Charleston	Fr., A.B.
Lewis, David Hamilton	Fairmont	Soph., A.B.
Lewis, Emily Marie	Morgantown	*Fr., A.B.
Lewis, Hiram Carson	Charleston	Soph., B.S.C.E.
Lewis, John Lambert	Charleston	Fr., A.B.
Lewis, Joseph Stuart, Jr.	Oak Hill	Jun., A.B.
Lewis, Mary Lorrayne	Newburg	Soph., A.B.
Lewis, William Gordon	The Plains, Va.	Fr., B.S.C.E.
Lewis, William Peyton	Charleston	Soph., B.S.M.E.
Lewis, Wilmer M.	Madison	Fr., B.S.E.E.
Liller, Henry Olive	Keyser	Jun., A.B.
Lilly, Madalyn McIntyre	Morgantown	Fr., B.S.H.E.
Lilly, Martin Luther	Madison	Fr., B.S.C.E.
Lilly, Robert Glenn	Charleston	2d Yr. Law
Lilly, Thelma	Charleston	Fr., A.B.
Lindell, Nora Josephine	Follansbee	Soph., A.B.
Lindley, Albert	Tams	Fr., B.S.E.E.
Linger, Rella Fern	Huttonsville	Jun., B.S.H.E.
Linn, Mildred	Fairmont	Soph., A.B.
Lisagor, Diana	Princeton	Fr., A.B.
Litsinger, Edward Andrew	Hinton	1st Yr. Med.
Littlepage, Charles Frazier	Charleston	Fr., A.B.
Livezey, Halard Michael	St. Albans	Jun., B.S.C.E.
Lizza, Maxwell Eugene	Morgantown	Soph., A.B.
Llewellyn, Eleanor Holliday	Morgantown	Grad., A. & S.
A.B., Western College for Women, 1914.		
LLewellyn, Frank Bowman	Morgantown	Grad., A. & S.
A.B., West Virginia University, 1912.		
Lloyd, Edith Madelon	Charleston	Sen., A.B.
Lloyd, Ella Mae	Fairmont	Fr., A.B.
Lloyd, Martha Barrett	Morgantown	Soph., A.B.
Locke, Lillian Doris	St. Marys	Fr., B.S.H.E.
Long, Earnest Raymond	Littleton	Soph., B.S.E.E.
Long, Evelyn Louise	Bluefield	Sen., A.B.
Long, Irene Charlotte	New Cumberland	Fr., A.B.
Long, Jay Everett	Morgantown	Jun., A.B.

Long, Kell	Connellsville, Pa.	Fr., B.S.Ch.E.
Long, Kinney Everett	Northfork	Soph., B.S.
Long, Virginia Dare	Pine Grove	Soph., A.B.
Loper, Robert Edmund	Cameron	1st Yr. Phar.
Lopinsky, Samuel David	Charleston	Soph., A.B.
Lord, Howard Garland	Morgantown	Jun., B.S.C.E.
Lorentz, Leonard Mactagart	Buckhannon	Jun., A.B.
Lorentz, Matilda	McMechen	Sen., A.B.
Lorentz, Thomas Joseph	McMechen	Soph., B.S.M.E.
Loudin, Margaret Elizabeth	Morgantown	Sen., A.B.
Lough, Dana Glenn	Point Marion, Pa.	Fr., B.S.Agr.
Lough, Longfellow Livingston	Flemington	Jun., B.S.Agr.
Lough, Victor Nay	Hundred	Fr., B.S.M.E.
Love, Charles Marion, Jr.	Huntington	2d Yr. Law
A.B., West Virginia University, 1924.		
Love, Gilbert Watson	Elm Grove	Soph., A.B.
Love, John Bushnell	Elm Grove	Soph., A.B.
Love, Kenneth Anderson	Pittsburgh, Pa.	Special, A. & S.
Lovett, Thelma	Bulltown	Soph., A.B.
Lowe, John Moore	Morgantown	Grad., Agr.
B.S.Agr., West Virginia University, 1918.		
Lowry, Hubert David	Huntington	Grad., A. & S.
A.B., West Virginia University, 1923.		
Lowther, Genevieve	Clarksburg	Jun., A.B.
Lowther, Stefanie Roesch	Morgantown	Sen., A.B.
Lowther, William Ernest	Morgantown	Special, A. & S.
Ludwig, George Philip	Rio	Jun., A.B.
Lunter, Mary	Clarksburg	Fr., A.B.
Lustgarten, Earl Matthew	Wheeling	1st Yr. Med.
Lyall, Lucian Hite	Morgantown	Jun., A.B.
Lynch, Charles Scott	Glenville	Sen., A.B.
Lynch, Henry Dorr	Clarksburg	Fr., B.S.E.E.
Mace, Vernie Emmette	Charleston	Fr., A.B.
MacEwan, Cornelia	Orwell, Ohio	Soph., A.B.
Machesney, John Wilfred	Morgantown	Fr., A.B.
Madera, William Luther	Morgantown	2d Yr. Med.
Madert, Matthias	Morgantown	Special, A. & S.
Madigan, Glen Dale	Morgantown	Fr., B.S. M.E.
Madill, Robert Boyd	Shinnston	Fr., A.B.
Magee, Howard Printes	Mannington	Soph., B.S.M.E.
Mahan, Walter Everett	Follansbee	3d Yr. Law
Makholm, Christen Adam	Jersey City, N. J.	Fr., A.B.
Malley, George Calistus	Parkersburg	Soph., B.S.
Malloy, John Paul	Weston	3d Yr. Law
LL.B., Catholic University, 1923.		
Maloney, Cecilia Hoyt	New Rochelle, N. Y.	Jun., A.B.
Maloney, Augustine Joseph	Waterbury, Conn.	1st Yr. Med.
Maloney, Leonard Eugene	Hinton	Soph., A.B.
Manley, Hugh Elton	Monongah	Grad., A. & S.
A.B., West Virginia University, 1923.		
Mann, Fletcher Wills	Athens	Jun., A.B.
Manning, Helen Virginia	Moundsville	Fr., A.B.
Marcum, Fred Breckenridge	Irvine, Ky.	Fr., A.B.
Marines, George Peter	Wheeling	Fr., B.S.E.E.
Marino, Vincent Louis	Morgantown	1st Yr. Med.
Markley, Joseph Alexander	Morgantown	Soph., A.B.
Marlow, Richard	Parkersburg	Soph., B.S.E.M.

Marshall, Cornelia	Sunlight	Sen., A.B.
Marshall, Jerry Reuben	Wadestown	Jun., A.B.
Marshall, Melvin C.	Wheeling	1st Yr. Phar.
Marshall, Russell Chauncy	Skyles	Jun., A.B.
Marshall, Velma	Huntington	Soph., A.B.
Martin, Albert Hugh	Monongah	Fr., A.B.
Martin, Alonzo Kenneth	Charleston	Fr., A.B.
Martin, Carman Ira	Maysville	Sen., A.B.
Martin, Elizabeth Gillespie	Charleston	Jun., A.B.
Martin, Frank Marion	Moundsville	Sen., B.S.C.E.
Martin, Grace	Morgantown	Fr., A.B.
Martin, James Harold	Bluefield	Soph., A.B.
Martin, Mattie Elizabeth	Fairmont	Sen., A.B.
Martin, Robert Dallas, Jr.	Wheeling	Fr., B.S.E.E.
Martin, Seba James	Shinnston	Jun., B.S.Agr.
Martin, Thomas Carlyle	Morgantown	Sen., B.S.Agr.
Martin, Walter James	Clarksburg	Fr., A.B.
Mason, Catherine Lois	Meyersdale, Pa.	Soph., A.B.
Mason, Kermit Raymond	Morgantown	1st Yr. Law
Mason, Medora Mae	Morgantown	Jun., A.B.
Mason, Vivian	Keyser	Sen., A.B.
Mason, Winifred Genevieve	Morgantown	Fr., A.B.
Masoncupp, Luther Forrest	Charleston	*Fr., A.B.
Massey, Guy Matthews	South Charleston	Fr., A.B.
Matheny, John Wesley	Montgomery	Grad., A. & S.
A.B., West Virginia Wesleyan College, 1921.		
Matheson, Thomas Clyde	Morgantown	Fr., A.B.
Mattson, Ellen Anna	Morgantown	Grad., A. & S.
A.B., West Virginia University, 1915.		
A.M., West Virginia University, 1921.		
Maust, Edwin Elsworth	Morgantown	Fr., B.S.E.E.
Maust, Grace Irene	Clifton Mills	Fr., A.B.
Maxwell, Cyrus Haymond, Jr.	Morgantown	1st Yr. Med.
M.S., University of Illinois, 1922.		
Mayfield, Herbert Densil	Middlebourne	Fr., B.S.E.E.
Mayolo, Peter Louis	Keyser	Soph., A.B.
Mazo, Herbert Rubert	Huntington	Soph., A.B.
McBee, Alfred Roy	Flemington	Soph., A.B.
McBee, Ethel Carle	Morgantown	Grad., A. & S.
A.B., West Virginia University, 1905.		
McBee, Ruth Mildred	Morgantown	Soph., B.S.H.E.
McCarl, Jennett Hannah	Mannington	Jun., B.S.H.E.
A.B., Salem College, 1923.		
McCarnes, Arthur Pearson	Morgantown	Soph., A.B.
McCarnes, Edwin John	Morgantown	Soph., B.S.C.E.
McClellan, Ernest Edward	Ethel	Soph., A.B.
McClintic, Alice	Marlinton	Soph., A.B.
McClung, Eleanor Mary	Sinks Grove	Jun., B.S.H.E.
McClung, Jacob O.	Rupert	Soph., A.B.
McClung, Wyatte Nelson	Morgantown	Grad., Agr.
B.S.Agr., West Virginia University, 1921.		
McConnell, Susan Agnes	Morgantown	Jun., A.B.
McCormick, Wilbur Carl	Congo	1st Yr. Med.
McCoy, Paul Edgar	Letart	Grad., Agr.
B.S.Agr., West Virginia University, 1924.		
McCrary, Clinton Runciman	Ronceverte	Soph., B.S.E.E.
McCray, Charles Bickerton	Elm Grove	Soph., A.B.
McCray, Frances Virginia Reta	Fairmont	Jun., A.B.
McCreery, Harry Lacey	Beckley	Fr., A.B.

McCue, Jessie	Hookersville	Sen., A.B.
McCullough, Bernard	Mole Hill	Sen., B.S.E.E.
McCuskey, Frank Crim	Middlebourne	Grad., A. & S.
B.S.Agr., West Virginia University, 1915.		
McCutcheon, Mayme Lorraine	Webster Springs	Jun., A.B.
McDaniel, Madge Beatrice	Meadowbrook	Jun., A.B.
McDaniel, Wayne Sturm	Grafton	Fr., B.S.E.E.
McDermott, Agnes Bernadine	Cameron	Jun., A.B.
McDermott, Joseph Henry, Jr.	Morgantown	*Fr., A.B.
McDonald, Bernard	Morgantown	Fr., B.S.Agr.
McDonald, DeWitt Clay	Morgantown	2d Yr. Med.
McDonald, Lois	French Creek	Jun., B.S.H.E.
McDonald, Richard Clyde	Inwood	Grad., Agr.
B.S.Agr., West Virginia University, 1923.		
McDonald, Verda Blanche	Morgantown	Grad., A. & S.
A.B., West Virginia University, 1921.		
McDowell, Donald Claredon	Fairmont	Soph., B.S.E.M.
McDowell, Gladys	Lewisburg	Soph., A.B.
McElroy, Dennis Lee	Moundsville	Soph., B.S.E.M.
McElroy, Lillian Kathryn	Wheeling	Fr., A.B.
McElroy, Lillian Yost	Fairview	Jun., A.B.
McElroy, William Dale	Morgantown	Jun., B.S.Ch.E.
McFadden, Virginia Katherine	Bethany	Fr., B.S.H.E.
McGee, Lazier Smith	Meadowbrook	Sen., B.S.E.M.
McGee, Marjorie	Morgantown	Soph., A.B.
McGee, William Buster	Charleston	1st Yr. Med.
McGinnis, Claire	Harrisville	Fr., A.B.
McGinnis Marguerite Evelyn	Morgantown	Sen., B.S.H.E.
McGinnis, William Holroyd	Beckley	Special Law
McGovran, Edward Ranson	Charleston	Sen., B.S.Agr.
McGowan, Harry Samuel	Elm Grove	Soph., B.S.E.E.
McGrail, James Bernard	Terra Alta	Soph., B.S.C.E.
McGuinness, George Alfred	New Kensington,Pa.	2d Yr. Med.
McHenry, Charles Ross	Parkersburg	Fr., A.B.
McIntire, George Benton	Morgantown	Grad., Agr.
B.S.Agr., West Virginia University, 1922.		
McIntire, George Lyle	New Martinsville	Soph., B.S.E.M.
McIntire, James Thomas	New Martinsville	*Fr., A.B.
McIntosh, Margaret Elizabeth	Elkins	Jun., A.B.
McIntosh, Margaret Ellen	Ravenswood	Jun., A.B.
McKain, Andrew Francis	Monongah	Fr., A.B.
McKain, Charles Joseph	Monongah	Soph., A.B.
McKee, Edward Frank	Triadelphia	2d Yr. Law
McKeever, Ivan	Frankford	Fr., A.B.
McKelvey, Catherine Buchanan	Morgantown	Jun., A.B.
McKenzie, Ellen Thompson	Cresaptown, Md.	Sen., A.B.
McKenzie, Eugene Eaton	Elgood	2d Yr. Med.
McKinney, Gertrude Mathis	Fairmont	Jun., A.B.
McLain, Ruth Alice	Morgantown	Soph., B.S.H.E.
McLaughlin, Vida Leone	Morgantown	Fr., A.B.
McMahon, Perry Reed	Glendale	Fr., A.B.
McMaster, James Parke	East Bank	Fr., A.B.
McMillan, Gordon Dunlap	Minneapolis, Minn.	Jun., A.B.
McMillen, Herbert	Morgantown	Grad., A. & S.
A.B., West Virginia University, 1916.		
McMillen, Pauline	Morgantown	Grad., A. & S.
B.S.H.E., West Virginia University, 1924.		
McMillion, Theodore	Williamsburg	Soph., A.B.

McMurrer, Patrick Daniel	Charleston	Jun., B.S.E.M.
McNeely, Ted Raymond	Madison	*Fr., B.S.Agr.
McNeill, Mary Eileen	Morgantown	Sen., A.B.
McNinch, Hazel Virginia	Moundsville	Soph., B.S.H.E.
McParland, Rose	Wheeling	Soph., A.B.
McQueen, David Hugh	Morgantown	Fr., A.B.
McQueen, Marian Elizabeth	Morgantown	Soph., A.B.
McVey, Hobart Bascom	Huntington	Jun., B.S.C.E.
Mead, Andrew Sabine	Beckley	Fr., A.B.
Mead, Charles Powell	Huntington	Soph., A.B.
Meador, Palma Groves	Raleigh	1st Yr. Law
Meadows, Roscoe Oley	Charleston	Fr., A.B.
Meadows, Ross Williams	Beckley	Soph., A.B.
Meadows, Umburta	Huntington	2d Yr. Law
Means, Lena Lee	Charleston	*Fr., B.S.H.E.
Medis, Paul Lunsford	Middlebourne	Fr., B.S.E.E.
Mee, Robert Amos	Wakefield, N. H.	1st Yr. Med.
A.B., Columbia University, 1923.		
Meeks, Edward Arthur	Clarksburg	Jun., A.B.
Megazzini, Adolphus Roland	Springfield, Mass.	Soph., B.S. Ch.E.
Meintel, George Edward	Parkersburg	Jun., B.S.E.E.
Melintz, Paul Richard	Martinsburg	Jun., A.B.
Menderson, William Thomas	McKeesport, Pa.	1st Yr. Med.
Ph.G., Philadelphia College of Medicine, 1924.		
Menefee, Emily	Morgantown	Soph., A.B
Menendez, Florinda	Meadowbrook	Fr, A.B.
Meredith, Jess Harper	Fairmont	2d Yr. Law
A.B., West Virginia University, 1924.		
Meredith, Mabel Virginia	Kingwood	Sen., B.S.H.E.
Metzler, Sank Ross	Morgantown	*Fr., A.B.
Michael, Kenneth Estabrooke	Morgantown	3d Yr. Law
Michael, Mary Jean	Morgantown	Fr., A.B.
Michael, Nicholas	Weirton	Fr., A.B.
Michael, Samuel Edgar	Martinsburg	Soph., B.S.C.E.
Michel, Werner Casper	Morgantown	Special, A. & S.
D.P.S., Berne University, 1917.		
Michels, Pearl Elisabeth	Morgantown	Fr., A.B.
Michels, Ralph	West Union	3d Yr. Phar.
Mick, Myra Lynch	Glenville	Sen., A.B.
Mick, Oscar	Glenville	Jun., A.B.
Mildren, Alice Gertrude	Holliday's Cove	Sen., B.S.H.E.
Milhoan, Asa Wade	Murraysville	2d Yr. Med.
Milhorn, Earl Chester	Wheeling	Soph., B.S.M.E.
Millender, Alfred Franklin	Sidney	Jun., B.S.Agr.
Millender, Joseph	Chattaroy	Fr., B.S.E.M.
Miller, Aldene	Fairview	Soph., A.B.
Miller, Benjamin Franklin	Grafton	Soph., B.S.M.E.
Miller, Clay Vaden, Jr.	Grafton	Jun., A.B.
Miller, Emma Ruth	Tunnelton	Fr., A.B.
Miller, Jeannette Elizabeth	Parkersburg	*Fr., A.B.
Miller, John	Ripley	*Fr., B.S.Agr.
Miller, Kenneth Neil	Paden City	Soph., A.B.
Miller, LeRoy Brooks	Morgantown	Sen., A.B.
Miller, Mary Ethel	Rockwood, Pa.	Sen., A.B.
Miller, Myrtle Mae	Cameron	Jun., A.B.
Miller, Rufus Glenn	Kingwood	Special Law
Miller, Samuel Owen	Fairmont	Fr., A.B.
Miller, Theodore Clarke	Morgantown	Fr., B.S.E.E.

Miller, William Henry	Oak Hill	Grad., A. & S.
A.B., Ashland College, 1916.		
Minnich, Edgar Ray	New Cumberland	Fr., A.B.
Miser, Mary Elizabeth	Holliday's Cove	Fr., A.B.
Mish, Arnold Franklin	Inwood	Jun., A.B.
Mish, Helen Elizabeth	Bunker Hill	Grad., A. & S.
A.B., West Virginia University, 1920.		
Mitchell, Paul Clifford	Welch	Soph., A.B.
Moats, Benjamin	Parkersburg	Soph., A.B.
Moats, Oleta Kelcel	Morgantown	Jun., A.B.
Mogan, Christopher Joseph, Jr.	Charleroi, Pa.	Jun., A.B.
Monack, Albert James	Charleroi, Pa.	Soph., B.S.Ch.E.
Monday, Carl Pleasant	Charleston	Soph., B.S.C.E.
Monroe, Neva Marguerite	Mannington	Soph., A.B.
Montgomery, Noble Lee	Tunnelton	Fr., B.S.E.E.
Montgomery, Wilda Lea	Morgantown	Sen., A.B.
Montgomery, William Newton	Kingwood	2d Yr. Med.
Moody, Charles Oliver	Kingwood	Soph., A.B.
Moomau, Lillian Eena	Greenbank	Soph., A.B.
Moore, Charles Wendell	New Salem, Pa.	Soph., B.S.E.E.
Moore, Gerard Davis, Jr.	Ranson	Fr., A.B.
Moore, James William	Fairmont	Sen., B.S.C.E.
Moore, Thomas Jefferson	Morgantown	Soph., A.B.
Moore, William Smith	Clarksburg	Fr., A.B.
Morgan, Claude Moore	Morgantown	3d Yr Law
Morgan, Emily Josephine	Morgantown	Sen., B.S.H.E.
Morgan Howard Hutchison	Bellaire, Ohio	Soph., A.B.
Morgan, Marian Virginia	Morgantown	Soph., A.B.
Morgan, William Dudley	Brady	Fr., A.B.
Morgan, Wm. Steenbergen, Jr.	Pliny	Soph., A.B.
Mooris, Leila Elsworth	Cameron	Soph., A.B.
Morris, Russell Witcher	Huntington	1st Yr. Law
A.B., Marshall College, 1923.		
Mooris, Warren Francis	New Martinsville	3d Yr. Law
Morris, William Loyd, Jr.	Morgantown	Fr., B.S.M.E.
Morrison, Clarence Harold	Elm Grove	1st Yr. Phar.
Morrison, Carroll Harpold	Charleston	Fr., A.B.
Morrison, Edward Thomas	Erie, Pa.	Soph., A.B.
Morrison, Okey Johnson	Charleston	Soph., A.B.
Morton, Belle Virginia	Camden-on-Gauley	Fr., A.B.
Morton, Eskridge McCray	Webster Springs	Soph., B.S.E.M.
Morton, Stephen Dixon	Camden-on-Gauley	Jun., A.B.
Mosby, Heber Lee	Clarksburg	Fr., B.S.M.E.
Moser, Charles Yarnall	Terra Alta	Jun., A.B.
Moss, Beverly Turpin	Washington, N. C.	Fr., A.B.
Mossburg, Lucy	Morgantown	Soph., B.S.H.E.
Mountain, William Watson	Confluence, Pa.	Sen., B.S.E.E.
Muir, Robert Miller	Havaco	3d Yr. Law
Mullan, George Oscar	Morgantown	Jun., B.S.Agr.
Muller, Henry Schulz	Wheeling	Soph., B.S.E.E.
Mullins, Edwin Maxey	Madison	Fr., B.S.E.E.
Munchmeyer, Louis Wells	Washington	Soph., B.S.Ch.E.
Munn, Clara	Morgantown	Fr., A.B.
Murphy, Delphin Delmas	Grafton	*Fr., A.B.
Murphy, Franklin Boyd	Philippi	2d Yr. Med.
Murphy, Hickman Charles	Montrose	Jun., B.S.Agr.
Murphy, Wallace B.	Grafton	Fr., A.B.
Murrill, Walter Ware	Huntington	Soph., B.S.Ch.E.

Murrin, Clarence Bernard	Parkersburg	Fr., A.B.
Murrin, Julian Francis	Parkersburg	Fr., A.B.
Musgrave, Raymond Frederick	Point Pleasant	Fr., A.B.
Mustard, Elizabeth Barnes	Bluefield	Fr., A.B.
Myers, Brayton Omar	Wheeling	1st Yr. Med.
Myers, Carl Edward	Montgomery	Soph., A.B.
Myers, Frederick Arthur	Stoffel	Fr., A.B.
Myers, Lillian Catherine	Cumberland, Md.	Fr., A.B.
Myers, Mansell Dumont	McMechen	Soph., A.B.
Myers, Reed Folk	Shepherdstown	Grad., A. & S.
A.B., West Virginia University, 1923.		
Myers, Sarah Catharine	Core	Sen., A.B.
Nabors, Russell Milton	Morgantown	Sen., A.B.
Nale Ida Urania	Morgantown	Jun., A.B.
Nale, Leah May	Morgantown	Jun., A.B.
Nale, Naomi	Morgantown	Soph., A.B.
Nale, Ruth Leyman	Morgantown	Jun., A.B.
Nanna, Iillian Betoney	Roderfield	Fr., A.B.
Naples, Louis Anthony	Jeannette, Pa.	Soph., A.B.
Nardacci, Nicholas	Youngstown, Ohio	1st Yr. Med.
Naylor, Clara Merle	Grafton	*Fr., A.B.
Naylor, Melvin Wiltshire	Elm Grove	Jun., B.S.E.E.
Neel, Elizabeth Brownfield	Morgantown	Soph., A.B.
Neff, Gordon Clinton	Charleston	Fr., B.S.E.E.
Nefflen, Bertha	Elkins	Sen., A.B.
Neill, Joseph Underwood	Greensboro, Pa.	Jun., B.S.E.E.
Neill, Virginia Louise	Cairo	Fr., A.B.
Nelson, Roy Ezekiel	Independence	Grad. Eng'g.
Nestor, John Wesley	Parsons	Fr., B.S.Ch.E.
Newell, Merl August	Chester	2d Yr. Med.
Newman, Charles Albert	Moundsville	2d Yr. Law
Newman, Leonard Selby	Morgantown	Soph., B.S.Agr.
Newman, Percy Paul	Clarksburg	Fr., A.B.
Nicastro, Thomas, Jr.	Montgomery	*Fr., A.B.
Nichols, Carl Wayne	Clarksburg	Fr., A.B.
Nichols, David Creel	Clarksburg	Fr., A.B.
Nichols, Mildred Camille	Elm Grove	Fr., A.B.
Nickison, Donald William	Wheeling	Fr., A.B.
Nicodemus, Charles Ried	Fairmont	Fr., B.S.C.E.
Niedermeyer, Agnes Katherine	Wheeling	Soph., B.S.H.E.
Niedermeyer, Helen Louise	Wheeling	Soph., A.B.
Nilan, George Cornelius	Hurricane	Fr., A.B.
Noble, Harold Lanslott	Grafton	Jun., A.B.
Nolting, John Paul, Jr.	Clarksburg	*Fr., B.S.E.E.
Norman, Robert Gail	Weston	2d Yr. Phar.
Noyes, James Bradford	Wheeling	Fr., A.B.
Nugent, Edward Lawrence	Crown Hill	Soph., B.S.E.E.
Nuhfer, William Leonard	Parkersburg	Soph., B.S.E.E.
Oakes, Robert Gambrill	Wellsburg	Fr., A.B.
Odland, Theodore Eugene	Morgantown	Grad., Agr.
M.S., University of Minnesota, 1920.		
O'Farrell, John Joseph	White Sulphur Spg.	Fr., B.S.E.E.
O'Farrell, William Thomas	White Sulphur Spg.	Fr., B.S.E.E.
Oldham, George Malcolm	Elm Grove	Soph., B.S.M.E.
Oliker, Aaron Earl	Clarksburg	Soph., A.B.
O'Loughlin, Joseph Eugene	New Martinsville	1st Yr. Phar.

Ormston, Brady William	New Cumberland	Soph., A.B.
Osborn, Alexander Bland	Clarksburg	Fr., B.S.C.E.
Osborne, Richard Arnold	Davis	Jun., B.S.E.E.
Osmond, John Baines	Berkeley Springs	Jun., B.S.Ch.E.
Otey, Cosby Millard	Crumpler	Fr., B.S.C.E.
Ott, Marion Jane	Lewisburg	*Fr., B.S.H.E.
Ott, Maxwell Page	Lewisburg	Jun., B.S.Agr.
Overbey, Joseph Lee	Huntington	Soph., A.B.
Owens, John Samuel	Montgomery	Fr., A.B.
Owens, Sidney James	Apollo, Pa.	Fr., B.S.E.M.
Paine, James Persons	Charleston	Fr., B.S.E.E.
Painter, Marvin Leslie	Arthur	Soph., A.B.
Paletz, Reuben Robert	Camden, N. J.	*Fr., A.B.
Palmer, Bessie Mae	Bridgeport	Sen., A.B.
Palmer, Kenneth Robert	Wheeling	Sen., B.S.C.E.
Palmer, Neva Mae	Pine Grove	Soph., A.B.
Park, Clermont Dixon	Parkersburg	*Fr., A.B.
Park, George	Blacksville	1st Yr. Med.
Parker, Leston Eugene	Dalton, Mass.	Fr., A.B.
Parks, Carlton Langfitt	Fairmont	Soph., B.S.E.E.
Parks, Dorothy Catherina	Elizabeth	Jun., A.B.
Parrack, Luther Deets	Terra Alta	Fr., A.B.
Parriott, Fred Kimple	Moundsville	Soph., A.B.
Parsons, Daniel Randolph	Beverly	Fr., B.S.Agr.
Parsons, Gerald Ernest	Keyser	Jun., B.S.C.E.
Parsons, Landis Homer	Charleston	Fr., A.B.
Patrick, Edwin Fox	Charleston	Soph., A.B.
Patton, Jessie	Gap Mills	Jun., A.B.
Paul, Ross Edwin	Harrisburg, Pa.	Fr., A.B.
Payne, William Burbridge	Welch	Soph., A.B.
Pearcy, Ethel	Clarksburg	Jun., A.B.
Pearlman, Leonard Lawrence	Pittsburgh, Pa.	Soph., A.B.
Pease, Horatio Thomas	Point Marion, Pa.	Grad., A. & S.
A.B., West Virginia University, 1922.		
Peirce, Grier Hartsell	Huntington	Jun., B.S.E.M.
Pell, Robert	Morgantown	Fr., B.S.E.E.
Pell, Edward Norval, Jr.	Wheeling	2d Yr. Med.
Perine, Howard	West Union	*Fr., B.S.Agr.
Perrone, Joseph Addison	Braddock, Pa.	1st Yr. Med.
Perry, Graves Hubbard	Charleston	*Fr., A.B.
Perry, James Leonard	Talcott	Soph., A.B.
Perry, Wilbur Charles	Huntington	2d Yr. Law
Peters, Frank Ellsworth	Moundsville	1st Yr. Med.
B.S., Washington and Jefferson College, 1924.		
Peters, Herman Garrison	Union	Soph., A.B.
Pettit, Ilah Frances	Hopemont	Fr., A.B.
Pfleger, Philip Arthur	Chicago, Ill.	2d Yr. Law
Phelps, Helen Mary	Morgantown	Fr., A.B.
Phillips, George Erastus	Hinton	Fr., B.S.E.E.
Phillips, George Erskine	Fayetteville	Sen., A.B.
Phillips, George Fred	St. George	Fr., A.B.
Phillips, Hayward Stewart	Hall	Jun., A.B.
Phillips, John McKinley	Waynesburg, Pa.	2d Yr. Law
B.S., Waynesburg College, 1923.		
Phillips, Nellie Elizabeth	Morgantown	Soph., A.B.
Phipps, Edithe Rothwell	Fayetteville	Jun., A.B.
Pickens, John Daniel	Clarksburg	Fr., A.B.

Pickens, Pearl	Morgantown	Sen., A.B.
Pickering, Margaret Direxa	Huntington	Soph., B.S.H.E.
Pierce, Carleton Custer, Jr.	Kingwood	Fr., A.B.
Pierpoint, John Marshall	Alma	Fr., B.S.Agr.
Pierpont, Paul Kenneth	Fairmont	Sen., B.S.M.E.
Pierson, Ovy Ord	Frametown	*Fr., A.B.
Pike, Charles Henry, Jr.	Morgantown	Soph., B.S.E.E.
Pilson, Nell Brown Lee	Charleston	Fr., B.S.M.E.
Pinkney, Harry Dixon	Beckley	Sen., B.S.E.M.
Pinsky, Abraham	Bellaire, Ohio	3d Yr. Law
Piper, William Charles	Wheeling	Soph., A.B.
Pitsenberger, Ada Morris	Parkersburg	Jun., A.B.
Pitsenberger, Charles Ezra	Pool	Sen., B.S.E.E.
Pitsenberger, Isaac Irvin	Pool	Jun., B.S.Agr.
Pletcher, Frank Moss	Cameron	Jun., B.S.M.E.
Pletcher, Robert Oliver	Cameron	Soph., B.S.E.E.
Politoske, Edward John	Mannington	Sen., B.S.M.E.
Pope, Otis Alston	Rockville, Md.	Soph., B.S.Agr.
Porter, George Worth	Littleton	Soph., A.B.
Porterfield, Donald Kennedy	Bedington	Fr., B.S.E.E.
Porterfield, Harold Francis	Bluefield	Sen., A.B.
Posten, Hale Judson	Morgantown	2d Yr. Law
A.B., West Virginia University, 1924.		
Powell, James Worley	Morgantown	Sen., A.B.
Powell, Margaret Lila	Morgantown	Fr., A.B.
Powell, Mary Elizabeth	New Cumberland	Fr., A.B.
Powell, Rupert Wendell	Morgantown	Fr., A.B.
Power, Francis Ray	Martinsburg	Sen., A.B.
Power, Ray Clyde	Follansbee	Soph., A.B.
Powers, Margaret Virginia	Cameron	Soph., A.B.
Powers, Pauline Gwendolyn	Cameron	Fr., A.B.
Pownall, Wilhelmina High	Keyser	Soph., A.B.
Pracht, Henry Walters	Pittsburgh, Pa.	1st Yr. Med.
Prather, Clarence Benton	Morgantown	Soph., B.S.E.E.
Preese, Joseph Robert	Monaca, Pa.	Fr., A.B.
Preiser, Philip	Charleston	Sen., A.B.
Preiss, Alice Pauline	Grafton	Fr., A.B.
Prettyman, Joseph Earnest	Morgantown	Sen., B.S.Agr.
Price, Blanche Elizabeth	Morgantown	Grad., A. & S.
A.B., West Virginia University, 1917.		
Price, Chauncey Milton	Morgantown	Fr., A.B.
Price, Fred Burke	Morgantown	Soph., B.S.Agr.
Price, Paul Holland	Morgantown	Grad., A. & S.
A.B., West Virginia University, 1923.		
Price, Virginia Erwin	New Cumberland	Sen., A.B.
Price, Vivian Swift	Morgantown	Night Class
Priest, John Mason	Morgantown	Sen., A.B.
Putnam, Alfred Rondol	Fairmont	Soph., A.B.
Pyle, Elizabeth Stemple	Morgantown	Fr., A.B.
Pyle, Frederic Ray	Morgantown	1st Yr. Law
Pyle, Hilda Mae	Morgantown	Soph., A.B.
Pyle, Trella Pauline	Morgantown	Fr., A.B.
Pyles, Gyle Bliss	Seebert	Fr., B.S.E.E.
Quarles, Charles Walthall	Weston	Sen., A.B.
Quinlan, John James Nelson	Huntington	2d Yr. Law
Quinones, Ramon Maldonado	Caguas, P. R.	1st Yr. Med.

Raemsch, Lawrence Edwin	Elkins	Sen., A.B.
Ralsten, Mathew Murrill	Beckley	Soph., A.B.
Ralston, James Gilbert	Weston	Sen., A.B.
Ramirez, Rafael Santos	Caguas, P. R.	2d Yr. Med.
Ramsay, Harry Jones	Mount Pleasant, Pa.	Jun., A.B.
Ramsey, Frank Burt	Mt. Nebo	Sen., B.S.M.E.
Randolph, Byron Benedum	Clarksburg	Soph., A.B.
Rangeley, Joseph Ware	Bluefield	Fr., A.B.
Ransom, Elaine King	Park Ridge, Ill	*Fr., A.B.
Ransone, Margaret	Hampton, Va.	Fr., A.B.
Rapking, Aaron Henry	Buckhannon	Grad., A. & S.
B.D., Garrett Biblical Institute, 1914.		
Rardin, William Harrison	Gallipolis, Ohio	1st Yr. Law
Ratcliff, John Drury	Huntington	Sen., B.S.E.M.
Ratcliffe, Roy Raymond	Clarksburg	Fr., A.B.
Ratrie, John Stewart	Sistersville	Jun., B.S.C.E.
Rawlins, Helen Mortlock	Moss Point, Miss.	Jun., A.B.
Ray, Charles Aubrey	Charleston	Soph., B.S.E.M.
Ream, Mary Eleanor	Morgantown	*Fr., A.B.
Reay, Virginia Dent	Morgantown	Jun., A.B.
Reddington, Lawrence Edward	Charleston	Sen., B.S.C.E.
Reed, Charlotte Hellice	Williamstown	Sen., B.S.H.E.
Reed, Edith Lucile	Morgantown	Sen., B.S.H.E.
Reed, Hazel Eleanor	Mannington	Sen., A.B.
Reed, John Joseph	Morgantown	Fr., A.B.
Reed, Margaret Evlyn	Morgantown	Soph., A.B.
Reed, Martha Frances	Morgantown	Fr., B.S.H.E.
Reed, Philip Jefferys	Morgantown	Fr., A.B.
Reed, William Taylor	Morgantown	Sen., A.B.
Reed, William Wayne	Morgantown	Jun., B.S.E.E.
Reeder, Jacob Harvey	Morgantown	Fr., A.B.
Reese, Isabel Hall	Monessen, Pa.	Fr., A.B.
Rega, Romeo Bernard	Mt. Pleasant, Pa.	Jun., B.S.C.E.
Reger, Scott Nicholas	Morgantown	Jun., A.B.
Rehm, Eugene	Richwood	Soph., B.S.C.E.
Rehm, Robert Edmundson	Wheeling	Fr., B.S.C.E.
Reiner, Mary Olive	Morgantown	Soph., A.B.
Repair, Ruby Onnetta	Parsons	Fr., A.B.
Reps, Russell Paul	Parkersburg	Soph., A.B.
Reuter, Herman Louis	Hepzibah	Soph., B.S.Agr.
Rexroad, Margaret Floe	Morgantown	Soph., B.S.H.E.
Reynolds, Cornelius Hilleary	Keyser	Soph., A.B.
Heynolds, Eleanor Willard	Grafton	Fr., A.B.
Reynolds Francis Marion, Jr.	Keyser	Sen., B.S.E.E.
Reynolds, Hunter Love	Huntington	Soph., A.B.
Reynolds, Lester	Keyser	2d Yr. Law
A.B., West Virginia University, 1923.		
Reynolds, Thomas Ernest	McMechen	Jun., B.S.Agr.
Rhodes, Phyllis	Spencer	Jun., A.B.
Rice, Lacy Isaac	Berkeley Springs	3d Yr. Law
Rice, Ralph Leslie	Berkeley Springs	Sen., A.B.
Richards, Marion Esther	Weston	Sen., B.S.H.E.
Richardson, Edwin Van	Shinnston	Grad., Agr.
B.S.Agr., West Virginia University, 1915.		
Richardson, Hila Appleton	Morgantown	Soph., A.B.
Richardson, Pleas	Marlinton	Jun., A.B.
Richardson, Richard Ralph	Charleston	Fr., B.S.E.E.
Richmond, David Hinton	Huntington	Soph., B.S.M.E.

Rickey, John Whittam	Moundsville	3d Yr. Law
Riddell, George William, Jr.	Weston	Fr., A.B.
Riddle, Paul Orville	Cameron	Fr., B.S.E.E.
Ridenour, Harold Richmond	Princeton	1st Yr. Phar.
Ridgeway, Emma May	Ridgeway	Jun., A.B.
Ridgway, Louise Nellie	Morgantown	Soph., B.S.H.E.
Riggle, Hannah Gail	Middlebourne	Sen., B.S.H.E.
Riheldaffer, William Howard	Fairmont	Fr., A.B.
Riley, Chester Loris	Romney	Fr., B.S.E.E.
Riley, Walter Joseph	Weston	1st Yr. Med.
Rincon, Victor	San Lorenzo, P. R.	2d Yr. Med.
Rinehart, John Albert	Everson	Jun., B.S.C.E.
Rinehart, William Burrell	Clarksburg	Soph., A.B.
Risher, Coe Byron	Morgantown	Fr., B.S.C.E.
Ritzinger, Augustus William	Buckhannon	Soph., A.B.
Roach, John Virgil	New Cumberland	Sen., A.B.
Roach, Pearle Lucinda	New Cumberland	Fr., A.B.
Robb, Alexander Laing	Morgantown	Jun., A.B.
Robb, Francis Belmont	Morgantown	Fr., A.B.
Robb, Helen Madeline	Morgantown	Sen., A.B.
Robbins, Harry Esau	Richwood	Fr., A.B.
Roberts, Anne Louise	Elizabeth	Jun., A.B.
Roberts, Charles Emmitt	Morgantown	Sen., A.B.
Roberts, Ethel	Monessen, Pa.	Soph., A.B.
Roberts, Glen Wallace	Elizabeth	Fr., B.S.C.E.
Roberts, Hazel Van Dyke A.B., West Virginia University, 1924.	Elizabeth	Grad., A. & S.
Roberts, Ruth Selina	Chester	Soph., A.B.
Roberts, Walter Moody	Elizabeth	Jun., A.B.
Robertson, Harold Brooks	Clarksburg	Sen., A.B.
Robertson, Walter Arthur	Clarksburg	Fr., A.B.
Robey, Frances Elizabeth	Fairmont	Soph., A.B.
Robinson, Anthony Hall	Freemansburg	Sen., B.S.E.E.
Robinson, Fleece Kinnaird	Danville, Ky.	Soph., A.B.
Robinson, Paul Donald	Smithfield, Pa.	Fr., B.S.M.E.
Robinson, Ruby Lillian	Lumberport	Fr., B.S.H.E.
Robinson, Wardner Clay A.B., Salem College.	Blandville	1st Yr. Law
Robison, Charles Ernest	Huntington	Fr., A.B.
Roby, Maude Brown	Mount Hope	Soph., A.B.
Roca, Julio Caesar	Yauco, P. R.	2d Yr. Med.
Rocawich, Mary Marguerite	Thomas	Soph., A.B.
Rodes, Margaret Ware	Huntington	Jun., A.B.
Roesch, Lydia	Morgantown	Jun., A.B.
Rogers, Alma Sophia	Morgantown	Fr., A.B.
Rogers, Cephas	Linn	Jun., A.B.
Rogers, Erlo Lester	Buckhannon	Fr., B.S.C.E.
Rogers, Marion George	Jane Lew	Jun., A.B.
Rogers, Mary Belle	Morgantown	Soph., A.B.
Rogers, Rhoda Ellen	Morgantown	Soph., A.B.
Rohrbaugh, Alvan Fortunatus	Camden	Soph., A.B.
Roles, Oscar	Bluefield	Fr., A.B.
Romesburg, Charles Koontz	Charleston	Soph., A.B.
Romesburg, Robert Presley	Charleston	Jun., A.B.
Rose, Arthur Reid	Morgantown	Fr., A.B.
Rose, Katherine Hale	Parkersburg	Jun., A.B.
Rosenberg, Morton George	Brooklyn, N. Y.	Fr., A.B.

Rosier, Robert	Fairmont	Sen., B.S.E.E.
Ross, Charles Philip	Charleston	Jun., A.B.
Ross, Harrison Morton Goff	Clarksburg	Special Law
Ross, Kelcel Milbur	Buckhannon	1st Yr. Law
A.B., West Virginia Wesleyan College, 1920.		
Ross, Luke Burdette	Cameron	Fr., A.B.
Ross, Robert Houston	Cameron	Fr., A.B.
Roth, Clarence Edward	Benwood	Soph., A.B.
Rothlisberger, Floyd Frederick	New Martinsville	Sen., B.S.Agr.
Roush, Dallas Samuel	Huntington	Sen., B.S.E.E.
Roush, Edward Herold	Huntington	Soph., B.S.M.E.
Rowland, Dorothy	Grafton	Fr., A.B.
Rowland, Edward Thomas	Weirton	Fr., A.B.
Rubin, Abraham Creighton	Huntington	3d Yr. Law
Rubin, Herman Edward	Charleston	Soph., A.B.
Rule, Wertie Louise	Wyatt	Fr., B.S.H.E.
Runner, Delmar Gaston	Morgantown	Jun., A.B.
Runnion, Louise Florence	Clarksburg	Soph., A.B.
Rupert, Elizabeth Rebecca	Morgantown	Fr., B.S.H.E.
Rupert, Harter Miller	Morgantown	Soph., B.S.M.E.
Russell, Arthur Lawrence	Fairmont	3d Yr. Law
Russell, Charlotte Mason	Fairmont	Fr., A.B.
Russell, Glen Alexander	Athens, Ohio	1st Yr. Med.
Russell, Madelyn	Sistersville	Fr., A.B.
Russell, Willard Dale	Athens, Ohio	1st Yr. Med.
Ryan, Clarence Daniel	Mannington	*Fr., A.B.
Saari, George John	Weirton	Jun., B.S.C.E.
Sack, Irving Abner	Elkins	Soph., A.B.
Saffel, Beulah	Elkins	Soph., A.B.
Sample, Lloyd Erle	Fairmont	Fr., A.B.
Sampselle. Jack Sheppard	Williamson	Fr., A.B.
Sanders, John Vernon	Morgantown	Jun., A.B.
Sandusky, Norris Hiram	Parkersburg	1st Yr. Phar.
Sargeant, Harold Frederick	Fairmont	Soph., B.S.E.M.
Saum, Harold Jefferson	Buckhannon	2d Yr. Law
A.B., West Virginia Wesleyan College, 1923.		
Savage, William Lee	Charleston	Fr., A.B.
Savastone, John Nicholas	Holliday's Cove	Fr., A.B.
Savich, Oscar	Copen	Fr., B.S.E.E.
Sayre, Everett	Ripley	Soph., A.B.
Schachter, Eugene Joel	North Braddock, Pa.	2d Yr. Med.
Schafer, Benton Delmont	Morgantown	Fr., A.B.
Schambra, William Philip	Wheeling	Fr., B.S.Ch.E.
Schenk, Robert Edward	Wheeling	Fr., A.B.
Schlens, Fred	Morgantown	Sen., A.B.
Schlossberg, Louis	Huntington	Soph., A.B.
Schmeichel, Arthur Louis Paul	Morgantown	Soph., B.S.E.E.
Schnopp, Jessie May	Hazelton	Special H. E.
Schnopp, Walter Clinton	Morgantown	Sen., B.S.Agr.
Scholl, Francis George	Wheeling	Special Eng'g.
Schoolnic, Jacob Wolfe	Fairmont	Soph.. A.B.
Schrader, Harry Charles	Morgantown	Fr., B.S.M.E.
Schramm, John William	Piedmont	Soph., B.S.E.E.
Schroeder, Clarence F., Jr.	Grafton	1st Yr. Law
A.B., West Virginia University, 1923.		
Schwartz, Ferdinand Francis	Cleveland, Ohio	Sen., A.B.
Schwartz, Rose Gloria	Morgantown	2d Yr. Phar.

Scott, Albert B., Jr.	Morgantown	Jun., A.B.
Scott, Alfred Beverly	Morgantown	Sen., B.S.C.E.
Seabright, Virginia Henry	Roney's Point	Sen., A.B.
Seaman, Anna Thelma	Morgantown	Sen., B.S.H.E.
Selbe, Virginia	St. Albans	Fr., B.S.H.E.
Seligman, Sidney Hyman	Northfork	Soph., A.B.
Sellars, Frances Cavins	Morgantown	Fr., B.S.H.E.
Sellers, Eugene Brownfield	Morgantown	Sen., A.B.
Sellers, Virginia Hampton	Morgantown	Fr., A.B.
Sellers, William Lester	Middlebourne	*Fr., A.B.
Setron, Joseph Louis	Morgantown	Sen., B.S.E.M.
Shafer, Holly Miletis	Clendenin	Grad., A. & S.
A.B., Marshall College, 1922.		
Shafer, Paul Noble	Independence	Sen., B.S.Agr.
Shaffer, Hubert Adams	Parsons	Soph., A.B.
Shaffer, James Adam	Morgantown	Fr., B.S.M.E.
Shaffer, James Harvey	Morgantown	Grad., Agr.
B.S.Agr., West Virginia University, 1921.		
Shaffer, Margaret Augusta	Morgantown	Jun., A.B.
Shaffer, Walter Elmer	Morgantown	Fr., A.B.
Shaid, Paul Henry Clay	Elkins	Soph., B.S.C.E.
Shannon, Mayte Pearl	Charleston	Sen., A.B.
Sharpless, Constance Jane	Martinsburg	Sen., A.B.
Shawver, John William	Charleston	Fr., A.B.
Sheesley, George Maxwell	Johnstown, Pa.	Jun., A.B.
Sheets, Paul Farris	Bridgeport	Jun., A.B.
Shein, Maurice Bernard	Huntington	1st Yr. Phar.
Shelton, Carl Fritz	Logan	Fr., A.B.
Shelton, Joseph Egbert	Moundsville	Fr., A.B.
Shinn, Leo Clovis	Morgantown	Jun., A.B.
Shirey, Frederic Smith	Blairsville, Pa.	Fr., B.S.M.E.
Shirey, Robert Elmer	Bluefield	Fr., A.B.
Shobe, Paul Howard	Petersburg, Va.	B.S.Eng'g.
Shober, Florence Evelyn	Garrett, Pa.	Jun., A.B.
Shoup, Sarah Elizabeth	Morgantown	Sen., A.B.
Showalter, Emmet M., Jr.	Fairmont	Fr., A.B.
Shrewsbury, Hobart Graham	Charleston	Sen., B.S.C.E.
Shriver, Elsie Ernestine	Morgantown	Soph., A.B.
Shriver, John Prichard	Burton	Fr., A.B.
Shriver, Leland Clarence	Morgantown	Sen., B.S.Ch.E.
Shriver, Leroy Coburn	Morgantown	Soph., A.B.
Shriver, Ross Chalfant	Morgantown	Soph., B.S.Ch.E.
Shriver, Willard Evert	Hedgesville	Fr., A.B.
Shugart, Gervis Gardner	Harpers Ferry	Jun., A.B.
Shultz, John Percil	Morgantown	Jun., A.B.
Shuttelworth, Jessie Edith	Morgantown	Fr., A.B.
Sidell, Alonzo Russell	New Martinsville	Jun., A.B.
Sidell, Rhea Mabel	New Martinsville	Sen., B.S.H.E.
Sigmon, Walton Marion	Westerly	Soph., B.S.Ch.E.
Sigwart, Harry Joseph	Morgantown	Soph., A.B.
Simmons, Ora Leonard	Franklin	Fr., A.B.
Simmons, William Leonard	Spencer	Fr., A.B.
Simpson, Irene Stella	Morgantown	Soph., A.B.
Simpson, Marjorie Jean	Parsons	Fr., B.S.H.E.
Simpson, Stanley Hamilton	Morgantown	*Fr., A.B.
Simpson, William Elbert	West Union	Jun., B.S.Agr.
Sims, Mary Madeline	Fayetteville	Fr., A.B.

Sine, Hiram Kent	Blacksville	Sen., A.B.
Sinsel, Rupert Alston	Grafton	1st Yr. Law
Sizer, Kent Kane	Clarksburg	*Fr., A.B.
Skiles, Ada Frances	Sabraton	Fr., A.B.
Slaven, Garnet Cosby	Oak Hill	Jun., B.S.C.E.
Sleboda, James Andrew	Stotesbury	Fr., A.B.
Sleeth, Bailey	Linn	Jun., B.S.Agr.
Slifkin, Anne Sarah	Bluefield	Fr., A.B.
Smith, Clair	Morgantown	Fr., A.B.
Smith, Dorothy Elizabeth	Grafton	*Fr., A.B.
Smith, Edwin Garrison	Wadestown	Sen., B.S.M.E.
Smith, Elizabeth Maud	Albright	Soph., A.B.
Smith, Erlyn Leslie	Morgantown	Jun., B.S.E.E.
Smith, George Andrew	Wellsburg	Jun., B.S.C.E.
Smith, Gertrude Elisabeth	Morgantown	Fr., A.B.
Smith, Hattie May	Flemington	Jun., A.B.
Smith, Herman Huber	Brown	Jun., A.B.
Smith, Irvin Lawrence	Middlebourne	Soph., B.S.E.E.
Smith, John Blackshere	Clarksburg	Sen., A.B.
Smith, Katherine Louise	Fairmont	Sen., A.B.
Smith, Melvin Clyde	Wheeling	Soph., A.B.
Smith, Mona Mildred	Morgantown	Fr., A.B.
Smith, Millard Filmore	Elm Grove	Sen., B.S.Agr.
Smith, Paul Hyatt	West Union	Soph., A.B.
Smith, Robert Davis	Jersey City, N. J.	Special Law
Smith, Robert Van Meter	Petersburg	Soph., A.B.
Smith, Rose Gertrude	Morgantown	Soph., A.B.
Smith, Thomas Carson	Blairsville, Pa.	Soph., B.S.E.M.
Smith, Virginia Lee	Morgantown	Sen., A.B.
Smith, Willis Edward	Morgantown	Fr., A.B.
Snider, Elsie Kilbreth	Keyser	Sen., A.B.
Snodgrass, Kenneth Leroy	Holliday's Cove	Fr., A.B.
Snodgrass, Kennis Ketterer	Mannington	1st Yr. Law
Snodgrass, Pearl	Smithfield	Sen., A.B.
Snyder, Arthur Gail	Sabraton	Grad., Agr.
B.S.Agr., West Virginia University, 1924.		
Snyder, Bess Virginia	Sabraton	Soph., B.S.H.E.
Snyder, Dorothy Caroline	Masontown	Jun., A.B.
Snyder, Harriett Elizabeth	Morgantown	Soph., A.B.
Snyder, Henry Provance, Jr.	Uniontown, Pa.	Fr., A.B.
Snyder, Harry Lambright, Jr.	Shepherdstown	3d Yr. Law
A.B., West Virginia University, 1923.		
Snyder, John Edgar	Morgantown	Sen., B.S.C.E.
Snyder, Robert Gibson	Weston	2d Yr. Phar.
Sobolak, Julius William	Weirton	Fr., A.B.
Solenberger, Charles Frederick	Martinsburg	Fr., B.S.Ch.E.
A.B., West Virginia University, 1923.		
Solof, Richard	Charleston	Fr., A.B.
Solomon, Charles	Windber, Pa.	2d Yr. Med.
Sommerville, Howard Hoy	Sand Fork	Jun., A.B.
Sorrent, John Baptist	Holden	1st Yr. Law
Sowers, Frank Freeman	Landgraff	2d Yr. Med.
Sparks, Mattie Josephine	Lincoln, Ill.	Sen., A.B.
Spaulding, Floyd	Crum	Voc. Agr.
Spaur, Klayde Beatrice	Grafton	Grad., A. & S.
A.B., West Virginia University, 1923.		
Speicher, George Mitchell	Terra Alta	Grad., A. & S.
A.B., Davis and Elkins College, 1923.		

Speicher, Katherine Lavinia	Terra Alta	Fr., A.B.
Speiden, Henry Withers, Jr.	Bluefield	Sen., B.S.C.E.
Spencer, Fay Woodburn	Morgantown	Sen., A.B.
Spencer, James Devore	Mannington	Jun., A.B.
Spencer, Paul Rufus	Denver, Colo.	Sen., A.B.
Sperling, Mary Jane	Wilkinsburg, Pa.	Jun., A.B.
Spragg, John Carroll	Huntington	Fr., B.S.C.E.
Springston, Jarrett Newton	Huntington	Jun., A.B.
Spurgeon, Lulu Mabel	Morgantown	Night Class
Squires, Eva Grey	Flatwoods	*Fr., A.B.
Staats, Beverly Waugh	Charleston	Soph., A.B.
Staats, Katharine	Charleston	Jun., A.B.
Staats, Roydice	Ripley	1st Yr. Med.
Stallman, Louis Horace	New York, N. Y.	Fr., A.B.
Stalnaker, Earsle Doyle	Philippi	Sen., A.B.
Stalnaker, Lillian	Parsons	Sen., A.B.
Stanley, John Robert	Fairmont	Fr., B.S.E.M.
Stanley, Laban Phelps	Kleen Koal	1st Yr. Med.
Stanley, Robert Julian	St. Marys	Sen., A.B.
Starcher, Glenn Raymond	Weston	*Fr., B.S.Agr.
Stark, Lewis Glenn	West Line, Mo.	Grad., Agr.
B.S., University of Missouri, 1924.		
Starkey, Archie Lemuel	Wallace	2d Yr. Med.
Stathers, Hugh Sterling	Buckhannon	1st Yr. Phar.
Stealey, Carline	Fairmont	Sen., A.B.
Steele, Charles Lee	McMechen	Fr., A.B.
Steele, James Hammond	Bluefield	Soph., A.B.
Steele, John Lorentz	Morgantown	3d Yr. Law
Steele, William Donald	Benwood	Soph., A.B.
Steenbergen, John Daniel	Point Pleasant	Sen., B.S.Agr.
Stegall, Ralph Shirley	Amherstdale	Fr., B.S.E.M.
Stein, George Alvin	Wheeling	Sen., B.S.Ch.E.
Steinbicker, Paul Frederick	Wheeling	Sen., A.B.
Stemple, Ernestine Elizabeth	Morgantown	Fr., A.B.
Stemple, Fritz John	Morgantown	Soph., A.B.
Stemple, Godfrey Anderson	Aurora	Fr., B.S.E.E.
Stemple, Isabel Catherine	Amboy	Jun., A.B.
Stemple, Tyreeca Elizabeth	Morgantown	Sen., A.B.
Stemple, Vera Maude	Aurora	Fr., B.S.H.E.
Stephens, Dorothy Evelyn	Morgantown	Jun., A.B.
Stephens, Mathilda Aldridge	Martinsburg	Fr., A.B.
Stephenson, Virginia Mae	Clarksburg	Soph., B.S.H.E.
Sterbutcel, Julia	Wheeling	Fr., A.B.
Sterbutcel, Rosalie	Wheeling	Soph., A.B.
Sterling, Robert Bruce	Uniontown, Pa.	Fr., A.B.
Stevens, Edith	Morgantown	Grad., A. & S.
A.B., West Virginia University, 1921.		
A.M., West Virginia University, 1923.		
Stevens, Edna	Morgantown	Sen., B.S.H.E.
Stevens, Guy	Morgantown	Soph., A.B.
Stevenson, Charles Alexander	Morgantown	Jun., A.B.
Stewart, James Kennedy	Wheeling	Soph., A.B.
Stewart, Kermit Darling	Morgantown	Soph., B.S.E.E.
Stewart, Merrie Marguerite	Morgantown	Grad., A. & S.
A.B., West Virginia University, 1921.		
Stewart, Thomas Nelson	Morgantown	Sen., A.B.
Stickler, Charles Lester	Sanger	Sen., B.S.Agr.
Stilwell, Mary Helen	Moundsville	Fr., A.B.

Stine, Emmett	New Martinsville	Soph., A.B.
Stinnette, Gaynes Pierre	McAlpin	Fr., A.B.
Stockdale, Charles Elsworth	Morgantown	Grad., Agr.
B.S.Agr., West Virginia University, 1916.		
Stoner, Louis Douglas	Whipple	2d Yr. Med.
Stout, Alexander	Clarksburg	Sen., A.B.
Stout, Charles Elden	Parkersburg	Fr., B.S.M.E.
Stout, Thurman Allen	Clarksburg	Fr., B.S.C.E.
Strader, Ralph Bishop	Clarksburg	Fr., B.S.C.E.
Straight, Beryl Silas	Lowesville	Fr., B.S.Agr.
Straight, Joseph J.	Rivesville	Sen., B.S.Agr.
Strain, Glada Elizabeth	Sistersville	Fr., A.B.
Straton, Emma Geraldean	Williamson	Fr., B.S.H.E.
Straw, Arthur Brooks	Swandale	Fr., A.B.
Straw, Harry Gordon	Swandale	*Fr., A.B.
Street, Lawrence Park	Belington	Jun., B.S.C.E.
Strickler, Thomas Gilmore, Jr.	Pennsboro	Sen., A.B.
Strickling, Lessie	Wellsburg	Soph., B.S.H.E.
Strieby, Ruth	Elkins	Sen., A.B.
Strosnider, Gladyse Virginia	West Union	Fr., B.S.H.E.
Strosnider, John Crum	Williamson	1st Yr. Phar.
Strosnider, Mabel	Clarksburg	Jun., A.B.
Strother, Beulah Sommerville	West Milford	Fr., B.S.H.E.
Strother, James Alexander, Jr.	Welch	Fr., A.B.
Strother, Walter Dennis	West Milford	Grad., A. & S.
B.S.Phar., University of Michigan.		
Strouss, Adella Elizabeth	Morgantown	Soph., B.S.H.E.
Stuart, Susie Walkup	Sinks Grove	Sen., B.S.H.E.
Stuck, William Bay, Jr.	Grafton	3d Yr., Phar.
Stuckey, Forrest Noble	Martinsburg	Sen., A.B.
Stull, William Prather	Princeton	Soph., A.B.
Stultz, Miriam Augusta	Huntington	Fr., B.S.H.E.
Stump, Eugene Curtis	Charleston	Soph., B.S.Ch.E.
Stump, Mary Virginia	Romney	Sen., B.S.H.E.
Sturgis, William Joseph	Masontown	Grad., Agr.
B.S.Agr., West Virginia University, 1919.		
Sturgiss, Margaret	Morgantown	Sen., A.B.
Sturm, Joseph Arthur	Enterprise	Sen., B.S.Agr.
Suder, Anthony Francis	Thomas	1st Yr. Law
Suffoletta, Daniel	Midland, Pa.	Soph., A.B.
Sullivan, Homer William	Charleston	Fr., A.B.
Summers, Fred Lindley, Jr.	Parkersburg	Soph., A.B.
Summers, Gladys Georgia	Lockwood	Soph., A.B.
Summers, Paul Otis	Clendennin	Soph., A.B.
Summers, Roy Roosevelt	Clendennin	2d Yr. Med.
Suter, Marie	Glendale	Soph., A.B.
Sutphin, Glenn Truman	Beckley	Soph., A.B.
Sutton, Neil	Williamstown	Fr., A.B.
Swecker, Flora Jane	Century	Grad., A. & S.
A.B., West Virginia University, 1923.		
Sweeney, Anne Wilson	Williamstown	Sen., A.B.
Sweeney, Virginia Reid	Williamstown	Sen., A.B.
Swiger, Clyde Forrest	Clarksburg	Fr., A.B.
Swindler, Allen Eugene	Clarksburg	Fr., A.B.
Swisher, John Hugh	Sutton	Soph., A.B.
Sybert, Genevieve Virginia	Moundsville	Fr., B.S.H.E.

Tabor, Estelle Baker	Morgantown	Grad., A. & S.
A.B., Marshall College, 1923.		
Tagliavia, Anthony	Brooklyn, N. Y.	1st Yr. Med.
Talbott, Frances Adaline	Clarksburg	Fr., A.B.
Talbott, Richard Howe, Jr.	Elkins	Soph., B.S.M.E.
Talbott, Richard Kenneth	Philippi	Soph., A.B.
Tallman, Charles Cameron	Beech Hill	3d Yr. Law
Tallman, Franklin Pierce	Beech Hill	Jun., B.S.E.M.
Tarleton, Arban Calvin	Fairmont	Jun., B.S.M.E.
Tarr, John Clarence	Wellsburg	Fr., A.B.
Tasker, Maud Elizabeth	Rice's Landing, Pa.	Soph., B.S.H.E.
Taylor, Harry Nicholas	Parkersburg	Jun., A.B.
Taylor, Harry Reeves	Keyser	2d Yr. Law
A.B., West Virginia University, 1924.		
Taylor, Harry Rudkin	Clendenin	2d Yr. Law
Taylor, Henry Myers	Beech Bootom	Sen., B.S.Agr.
Taylor, Linn Arden	Masontown	Grad., A. & S.
B.S.Agr., West Virginia University, 1922.		
Taylor, Mabel Ruth	Morgantown	Soph., A.B.
Taylor, Malcolm Edgar	Clarksburg	Soph., B.S.M.E.
Tchinski, Adam Louis	Fairmont	Soph., A.B.
Tebay, Howard Amos	Parkersburg	Sen., B.S.Agr.
Teel, George Elliott	Oak Hill	2d Yr. Phar.
Tennant, Raymond John J.	Morgantown	Sen., B.S.E.E.
Tennant, Rex Burl	Shinnston	2d Yr. Phar.
Thayer, Charles Oliver	Morgantown	*Fr., A.B.
Thayer, John M.	Morgantown	Soph., B.S.E.E.
Thayer, Richard Samsell	Grafton	Fr., B.S.E.E.
Thel, Henry Charles	Morgantown	2d Yr. Med.
Thobbs, Eula Elizabeth	Wilcoe	Fr., A.B.
Thomas, Claire Lenila	Charleston	Soph., A.B.
Thomas, Grant Jackson	Oak Hill	Fr., A.B.
Thomas, Paul Gibson	Huntington	Fr., B.S.E.E.
Thomas, Trevor Roosevelt	Monessen, Pa.	Soph., A.B.
Thompson, Albert John	Davis	Fr., B.S.M.E.
Thompson, Benjamin Frank	Davis	Sen., B.S.Agr.
Thompson, Carl Truman	Morgantown	Sen., A.B.
Thompson, Gilbert	Beckley	Fr., B.S.E.E.
Thompson, Henry Howard	Thomas	1st Yr. Phar.
Thompson, Lottie May	Morgantown	Soph., A.B.
Thompson, Nell	Middlebourne	Fr., A.B.
Thompson, Velma Julia	Morgantown	Sen., A.B.
Thompson, William Gault	Mt. Hope	Soph., A.B.
Thornberry, Elizabeth Rachel	West Milford	Soph., B.S.H.E.
Thornhill, Louise Massie	Bluefield	Jun., A.B.
Thurber, Ethel Milroy	Wheeling	Fr., A.B.
Tierney, James Aloysius, Jr.	Weston	Fr., A.B.
Tillis, Garnett Marie	Arbuckle	Fr., B.S.H.E.
Timblin, Harold E.	Wheeling	Fr., B.S.M.E.
Timmons, Daisy Ella	Triadelphia	Grad., A. & S.
A.B., West Virginia University, 1916.		
Tinivell, John	Morgantown	Fr., B.S.Ch.E.
Tissue, William Abraham	Mt. Hope	Jun., A.B.
Titley, Luther Rowe	Denver, Col.	Soph., A.B.
Tobias, Zenada Roberta	Clearfield, Pa.	Fr., A.B.
Tolley, Norman Rudolph	Lost Creek	Soph., A.B.
Tomlinson, Eddie Myron	Mt. Lookout	Sen., A.B.
Tomlinson, Iva Belle	Mt. Lookout	Soph., A.B.

Tompkins, Thomas Blandford	St. Albans	Fr., A.B.
Toney, Thelma Fay	Mt. Hope	Fr., A.B.
Toothman, James Edwin	Hundred	1st Yr. Phar.
Topper, Paul Freola	Thomas	Soph., A.B.
Torin, David Irving	Weirton	1st Yr. Med.
Torry, Gail Mildred	Morgantown	Sen., A.B.
Townley, Harry Eugene	Charleston	Special Law
LL.B., Cumberland University, 1924.		
Townley, Icye Lee	Charleston	Soph., B.S.H.E.
Townsend, Thomas Hillis	Charleston	Soph., A.B.
Trautwein, Henry Jacob	Wheeling	Fr., B.S.Ch.E.
Travis, Ella Marjorie	Point Marion, Pa.	Soph., A.B.
Treweek, John Spargo	Wheeling	Sen., B.S.M.E.
Trotter, James Francis	Morgantown	Sen., A.B.
Trotter, John Heermans	Morgantown	Jun., A.B.
Trotter, Lorentz Steele	Morgantown	Grad., A. & S.
A.B., West Virginia University, 1920.		
Trump, Elizabeth Melvin	Kearneysville	Sen., A.B.
Trump, John Sheldon	Oak Hill	Soph., A.B.
Tucker, John Wyland	Morgantown	Grad., A. & S.
A.B., West Virginia University, 1923.		
Tuckwiller, Patrick Alexander	Lewisburg	1st Yr. Med.
Turner, Robert Graham	Morgantown	Grad., A. & S.
A.B., Lawrence College, 1920.		
M.S., Iowa State University, 1922.		
Turner, Wallace Raymond	Parkersburg	Soph., A.B.
Umstead, Thistle Elizabeth	New Martinsville	*Fr., A.B.
Underwood, Thomas Miller	Morgantown	Jun., B.S.M.E.
Ungerleider, Harold Harrison	Wheeling	1st Yr. Phar.
Uribe, Jose	Medellin, Colombia	Soph., B.S.E.M.
Utterback, Harry	Morgantown	Fr., A.B.
Van Gilder, Elmer French	Fairmont	Grad., A. & S.
B.S., West Virginia University, 1912.		
Van Horn, Karl Lane	Morgantown	Soph., A.B.
Van Horn, Verma Virginia	Morgantown	Sen., A.B.
Van Kirk, Robert William	Wake Forest	2d Yr. Phar.
Van Meter, Wesley	Huntington	Fr., A.B.
Vannoy, Ivan Francis	Morgantown	Soph., B.S.E.E.
Vannoy, Janet Pauline	Morgantown	Jun., A.B.
Van Voorhis, Ruth	Morgantown	Jun., A.B.
Van Zandt, Mildred	Pt. Marion, Pa.	Sen., A.B.
Varner, Robert David	McMechen	*Fr., A.B.
Vaughn, Edwin Owen	Willow Bend	1st Yr. Med.
Vaught, Stephen Kissling	Pt. Pleasant	Fr., A.B.
Vellines, Wesley Elmore	Hinton	Soph., B.S.E.E.
Venable, Robert Vance	Charleston	Soph., B.S.E.M.
Vermillion, Janice Evelyn	Welch	Fr., A.B.
Via, Robert Everett	White Sulphur Spgs.	Sen., B.S.Agr.
Vieweg, Emma Dorothea	Morgantown	Fr., B.S.H.E.
Villano, Julius	Piedmont	Special, A. & S.
Villers, Frederick L.	Clarksburg	Jun., B.S.Ch.E.
Virden, Harry Paul	Middlebourne	2d Yr. Phar.
Vogel, David Manuel	New York, N. Y.	Fr., A.B.
Vogel, Ruth Martha Marie	Cumberland, Md.	Grad., A. & S.
A.B., Maryland College.		
Volk, Bessie Mildred	Cumberland, Md.	Soph., B.S.H.E.
Vollenweider, John Albert	Baltimore, Md.	Grad., A. & S.

Waddell, Margaret Lynne	Brandonville	Grad., A. &. S.
A.B., West Virginia University, 1908.		
Wade, Bryan Llewellyn	Morgantown	Grad., Agr.
B.S.Agr., West Virginia University, 1923.		
Wade, Georgia Chorpening	Morgantown	Jun., A.B.
Wade, James Lawrance	Parkersburg	Fr., A.B.
Wade, Jesse Edward	Morgantown	Jun., A.B.
Wade, John Alexander	Morgantown	Jun., A.B.
Wade, Rebecca Estra	Morgantown	Sen., A.B.
Wadsworth, Arden	Adamston	Fr., B.S.C.E.
Waggoner, Sylvia	Harrisville	Jun., B.S.H.E.
Wagner, Clyde Earl	Morgantown	Grad., A. & S.
A.B., Defiance College, 1920.		
Wagner, Fred Henry	Wheeling	Fr., B.S.C.E.
Walden, George Washington	Griffithsville	2d Yr. Med.
Waldo, William Bernard	Charleston	Fr., A.B.
Walker, Andrew	Macdonald	*Fr., A.B.
Walker, Myrtle Estelle	Wellsburg	Soph., B.S.H.E.
Walker, Raymond Clarence	Williamson	*Fr., A.B.
Wall, Lawrence Lester	Charleston	Fr., A.B.
Wallace, Harry Alvin	Charleston	Soph., A.B.
Wallace, Martha Travis	Morgantown	Fr., A.B.
Wallach, Robert	New York, N. Y.	Jun., A.B.
Wallrabenstein, Roy A.	Wheeling	Fr., B.S.E.M.
Walls, Russell Roosevelt	Morgantown	Fr., A.B.
Walter, Austin Jacob	Elm Grove	Soph., A.B.
Walters, Adam Everette	Morgantown	Sen., B.S.Agr.
Walters, Nelle	Mt. Hope	Sen., A.B.
Wamsley, Della Mae	Morgantown	*Fr., B.S.H.E.
Wamsley, Janet F.	Morgantown	*Fr., B.S.H.E.
Ward, Freda Helen	Elkins	Fr., B.S.H.E.
Ward, Ithra Kemper	Wallace	Soph., A.B.
Warder, Francis Lucas	Grafton	3d Yr. Law
Warder, Hugh Robert	Grafton	Soph., A.B.
Ware, Paul Blackburn	Philippi	2d Yr. Law
A.B., West Virginia University, 1924.		
Warman, Simon Clemmer	Weston	Fr., A.B.
Warman, Wilton Merle	Morgantown	Soph., A.B.
Warnick, Patrick Jennings	Williamson	Soph., A.B.
Washington, William Calvin	Morgantown	Sen., A.B.
Wass, Dewey Schley	Harrisville	*Fr., A.B.
Waters, John Robert, Jr.	Elkins	Sen., A.B.
Waters, Mildred Ann	Elkins	*Fr., A.B.
Watkins, Charles Abraham	Morgantown	Special Law
Watkins, David	Buckhannon	2d Yr. Med.
Watson, Albert Thurman, Jr.	Fairmont	*Fr., A.B.
Watson, Catherine Gertrude	Parkersburg	Soph., A.B.
Watson, Pauline	Philippi	Jun., A.B.
Watson, Robert Lamb	Fairmont	Soph., A.B.
Watson, Willis Burton	Masontown	Fr., A.B.
Waugh, Bertha	Grafton	Sen., A.B.
B.Ped., West Virginia Wesleyan, 1915.		
Waugh, Gladys Snyder	Morgantown	Sen., A.B.
Way, George Henry	Wheeling	Soph., B.S.Ch.E.
Weaver, Henry Francis	Morgantown	Fr., A.B.
Weaver, Mary McKinney	Morgantown	Grad., A. & S.
A.B., West Virginia University, 1924.		
Webb, James Edwin	Wellsburg	Soph., A.B.

Weber, Edward Fitzhugh	Hinton	Fr., A.B.
Weber, Glen Chisholm	St. Marys	3d Yr., Phar.
Weber, John Carl	Weston	Fr., B.S.E.E.
Weckesser, Sylvia	Doylestown, Ohio	Fr., A.B.
Weekley, Pauline Virginia	Philippi	Jun., A.B.
Weekly, Lillian	Highland	Soph., B.S.H.E.
Weese, Samuel Josephus	Morgantown	Fr., B.S.Agr.
Weiler, Howard George	Morgantown	2d Yr. Med.
Weisberg, Mark Manny	Bronx, N. Y.	1st Yr. Phar.
Welch, Albert Thornton	Winfield	Voc. Agr.
Welch, Ellithorpe Mae	Morgantown	Sen., B.S.H.E.
Welch, Julia Bates	Parkersburg	Soph., A.B.
Welch, Sylvia	Pennsboro	Fr., B.S.H.E.
Welch, William Arthur	Grafton	Fr., A.B.
Welch, William Hamilton	Fairmont	Soph., B.S.E.E.
Wells, Dana	Morgantown	Fr., A.B.
Wells, Samuel Robert	New Martinsville	1st Yr. Med.
Welton, Wright Montgomery	Piedmont	Sen., A.B.
Weser, Don Francis	New England	Soph., B.S.C.E.
West, John Thomas	Morgantown	Grad., A. & S.
B.S., West Virginia University, 1907.		
A.M., West Virginia University, 1923.		
Westfall, Oshel Perry	Spencer	Soph., B.S.Agr.
Westover, Kyle Chester	Morgantown	Grad., Agr.
B.S.Agr., New Hampshire College, 1917.		
Wetzel, Columbus Lon	Clarksburg	3d Yr. Law
Wever, Elizabeth Snodgrass	Martinsburg	Fr., A.B.
Wharton, Willa	New Martinsville	*Fr., B.S.H.E.
White, Frank Luther	Hundred	Sen., B.S.Ch.E.
White James Horn	Richwood	2d Yr. Law
A.B., West Virginia University, 1924.		
White, Lisle Krozier	Clarksburg	Soph., B.S.H.E.
White, Lorna Doone	Morgantown	Soph., A.B.
White, Lyle Frazier	Williamson	1st Yr. Law
White, Mary Jane	Morgantown	Grad., A. & S.
A.B., West Virginia University, 1918.		
White, Orville Dewey	Morgantown	Grad., Agr.
B.S.Agr., West Virginia University, 1922.		
Whitlatch, Hayward Harris	Pennsboro	Fr., A.B.
Whittaker, Bernice Marie	Terra Alta	Jun., A.B.
Whitten, John Lamar, Jr.	Huntington	2d Yr. Law
Whitten, Othniel Edward	Huntington	2d Yr. Law
Wieda, Margaret Katherine	Moundsville	Grad., A. & S.
A.B., West Virginia University, 1924.		
Wightman, Ernest Thomas	Pittsburgh, Pa.	Grad., Agr.
BS., Pennsylvania State College, 1917.		
Wilber, Kenneth Roland	Gauley Mills	Soph., A.B.
Wilcox, Maurice Kenneth	West Union	Sen., A.B.
Wilderman, Ethel Phyllis	Piedmont	*Fr., A.B.
Wildman, Irvin Compton	Charleston	Fr., A.B.
Wiles, George Rogers C., Jr.	Charleston	Soph., A.B.
Wiles, John Charles	Charleston	Soph., A.B.
Wilfong, Harry Dean	Glenville	Sen., A.B.
Wilhelm, Charles Philip	Kingwood	1st Yr. Law
M.S., University of Maryland, 1922.		
Wilhelm, Thelma Beatrice	Cameron	Jun., A.B.
Wilkinson, Bernard Waldo	Shinnston	Soph., A.B.
Willhide, Victor Cole	Grafton	Jun., A.B.
Williams, Charles Early	St. Marys	Sen., B.S.E.M.

Williams, Cornelia May	Morgantown	Sen., A.B.
Williams, Doris Elizabeth	St. Marys	Jun., A.B.
Williams, George Edward	Macdonald	Special Eng'g.
Williams, George Thomas	Moorefield	Fr., B.S.Agr.
Williams, Helen Martha	Morgantown	Soph., A.B.
Williams, Joseph, Jr.	St. Marys	Fr., A.B.
Williams, Leonard Gray	Morgantown	2d Yr. Law
Williams, Robert Emmett	Middlebourne	Fr., A.B.
Williams, Thomas Griffith	Welch	Fr., A.B.
Williams, William Andrew	Morgantown	Soph., B.S.E.E.
Williams, William Forrest	Bellepoint	Voc. Agr.
Williamson, Charles Alfred	Connellsville, Pa.	Fr., B.S.C.E.
Williamson, Donald Byer	Wilkinsburg, Pa.	Fr., B.S.C.E.
Williamson, Franklin Eudell	Kenova	Soph., A.B.
Williamson, Odas Delphia	Morgantown	Sen., B.S.H.E.
Willis, Haymond Charles	Morgantown	1st Yr. Law
Willman, Homer Dale	Clendenin	Fr., B.S.C.E.
Wilson, Edward Stanley	Marlinton	Fr., A.B.
Wilson, Eva Margaret	Belington	Sen., A.B.
Wilson, Frank Ausbin	Walkersville	Grad., A. & S.
A.B., Ohio Wesleyan University, 1923.		
Wilson, Georgia	Bluefield	*Fr., B.S.H.E.
Wilson, Henry Lawrence	Taplin	Jun., A.B.
Wilson, Hugh Cunningham	Wheeling	Fr., B.S.E.E.
Wilson, Johnathan Hollis	Blaine	Sen., A.B.
Wilson, Kathleen Virginia	Morgantown	Sen., A.B.
Wilson, Louis Heazelton	Clarksburg	Fr., A.B.
Wilson, Lucy Myrl	Pennsboro	Jr., B.S.H.E.
Wilson, Marshall Barr	Toll Gate	Soph., B.S.Ch.E.
Wilson, Philip Clarence	Spencer	Sen., A.B.
Wilson, Virginia	Harrisville	Sen., B.S.H.E.
Wimer, Ralph Patterson	Hendricks	Jun., A.B.
Winter, Gladys Norma	St. Albans	Jun., B.S.H.E.
Winters, Mary Beulah	Elm Grove	Soph., A.B.
Wirt, Richard McCosh	Morgantown	Soph., B.S.C.E.
Wise, Carl Richard	Charleston	Fr., A.B.
Wise, Herbert Bennett	Charleston	Fr., A.B.
Wise, Thomas Reuben	Fairmont	Fr., B.S.E.E.
Wiseman, Marrs	Fayetteville	Soph., B.S.C.E.
Withers, Lelia	Grafton	Jun., A.B.
Witt, Edward Tempest	Northfork	Sen., B.S.E.E.
Wolfe, Ethel Gwendolyn	Pt. Pleasant	Soph., A.B.
Wolfe, Karl Morgan	Kingwood	Sen., B.S.E.E.
Wolfe, Lucy Malinda	Morgantown	Sen., A.B.
Wolfe, Rose Jeane	Morgantown	Grad., A. & S.
A.B., West Virginia University, 1924.		
Wolfe, Slidell Brown	Kingwood	Fr., B.S.E.E.
Wolfe, Walter Hardman	Morgantown	Fr., A.B.
Wolpert, Milton	Charleston	Jun., A.B.
Wood, Charles Adolphus, Jr.	Charleston	Fr., B.S.C.E.
Wood, John Edmund	Huntington	1st Yr. Law
A.B., Denison University, 1924.		
Wood, Mack Espy	Charleston	Soph., A.B.
Wood, Ruth Augusta	Morgantown	Sen., A.B.
Wood, Strauss Reger	Reader	Grad., A. & S.
A.B., Bethany College, 1919.		
Woodburn, Dorothy Mary	Parkersburg	Jun., A.B.
Wooddell, Edith Marguerite	Webster Springs	Soph., A.B.

Wooddell, William Hart	Webster Springs	Soph., A.B.
Woodford, Alberta Louise	Huntington	Grad., A. & S.
A.B., West Virginia University, 1913.		
Woodford, Clarence Howe	Clarksburg	Jun., A.B.
Woodford, Edward Blanchard	Philippi	Jun., A.B.
Woodford, Helen Virginia	Philippi	Jun., A.B.
Woodroe, Elizabeth Newcomb	Charleston	Fr., A.B.
Woodroe, William May	Charleston	1st Yr. Law
Woodrum, Harold Browning	Ronceverte	Fr., B.S.C.E.
Woods, Phala	Beaver	Soph., A.B.
Woodville, Ernestine Grey	Lansing	Soph., A.B.
Woodville, Eugenia Davis	Lansing	Soph., A.B.
Woofter, Carey	DeKalb	Grad., A. & S.
A.B., West Virginia University, 1924.		
Worden, Leo Francis	Davis	Sen., B.S.E.E.
Workman, Ira Vincent	Morgantown	Soph., A.B.
Workman, Lucy Dee	Ceredo	Jun., A.B.
Wotring, Robert William	Morgantown	Jun., B.S.E.M.
Wotring, Ruth Lana	Morgantown	Fr., A.B.
Wright, Elden Edward	Morgantown	Fr., B.S.Ch.E.
Wright, Ethel Fae	Cameron	Sen., A.B.
Wright, Florence Anna	Cameron	Grad., A. & S.
B.S., Ohio State University, 1916.		
Wright, Harry Alford	Matoaka	Fr., A.B.
Wright, Meryl Donald	Morgantown	Soph., A.B.
Wright, Russell Eshmul	Monongah	Sen., A.B.
Wunschel, William Frederick	Wheeling	Soph., A.B.
Wyckoff, Everett Bailey	Grafton	Fr., A.B.
Wylie, Ward	Glace	1st Yr. Med.
Wysong, William Prentiss	Webster Springs	Soph., A.B.
Yates, George Sinsel	Pennsboro	Soph., A.B.
Yeager, Genevieve Grace	Marlinton	Soph., B.S.H.E.
Yeager, William Russell	Parkersburg	Fr., A.B.
Yorke, Evelyn Hughes	Morgantown	1st Yr. Law
Yost, Katherine	Fairmont	Fr., A.B.
Young, Clarence Morris	Clendenin	Fr., A.B.
Young, Joseph Lamar	Moundsville	Sen., A.B.
Young, Louis Yoh-ing	Swatow, China	Grad., Eng'g.
E.M., Colorado School of Mines, 1923.		
Young, Ulysses Grant, Jr.	Buckhannon	2d Yr. Law
A.B., West Virginia Wesleyan College, 1923.		
Zapata, Miguel	Mayaguez, P. R.	Fr., A.B.
Zearley, Joy	Morgantown	Grad., A. & S.
A.B., West Virginia University, 1920.		
Zeh, Helen Louise	Wheeling	Fr., A.B.
Zeller, Charles Adam	Morgantown	2d Yr. Med.
Zevely, John Grant	Morgantown	Fr., A.B.
Ziler, Philip Ward	Elkins	Jun., A.B.
Zimmer, George William, Jr.	Wheeling	Jun., B.S.C.E.
Zimmerman, Frances Olivia	Bluefield	Jun., A.B.
Zinn, Ralph Howard	Morgantown	2d Yr. Med.
Zippay, David John	Charleroi, Pa.	Fr., A.B.
Zirkle, Burman B.	Brown	Soph., A.B.

Students Enrolled in the Schools

Adams, John Newmyer	Bethany	Summer School
Amburg, Mary Esther	Buckhannon	Summer School
Amos, Autumn	Burnsville	Music
Arnett, Mildred Elma	Morgantown	Music
Arrington, Mamie Patterson	Helen	Summer School
Baker, Charlotte Blair	Morgantown	Music
Baker, William B.	Belington	Summer School
Barlow, Earl William	Cleveland, Ohio	Summer School
Barnes, Sarah Grace	Weston	Summer School
Barnett, Georgia Susan	Parkersburg	Summer School
Barnhart, Celeste Ada	Woodruff	Summer School
Barnhart, Enod Flora	Aleppo, Pa.	Summer School
Barr, Dorothy Carney	Morgantown	Music
Bartlett, Icie	Philippi	Summer School
Bates, James Burlin	Center Point	Summer School
Bayles, Carline McDonnell	Morgantown	Music
Beavers, Margaret Eloise	Welch	Summer School
Bennett, Gladys Marian	Morgantown	Summer School
Berry, Virginia Lee	Morgantown	Summer School
Bevington, Geraldine Margaret	Morgantown	Music
Bevington, Lorenzo Keller	Morgantown	Music
Billings, Jane Lull	Tunkhannock, Pa.	Music
Birmingham, Mary Angela	Cumberland, Md.	Summer School
Bishop, Iva	Blaine	Summer School
Blaine, Laura Mildred	Dormont, Pa.	Music
Blair, Bonita	Morgantown	Music
Blake, Charles Leo	Moundsville	Summer School
Bloom, Mildred Faustatine	Morgantown	Summer School
Bonner, John William	Wallace	Summer School
Bowditch, Richard Lyon	Milton, Mass.	Summer School
Bowers, Marguerite	Carrollton, Mo.	Summer School
Bowlby, Williard	Morgantown	Music
Boyd, Olga LeMoyne	Morgantown	Music
Bracey, Eliza Cathrine	Morgantown	Music
Brand, Dorothy Virginia	Morgantown	Music
Brown, Alice Josephine	Morgantown	Music
Brown, Carrie Alberta	Wheeling	Summer School
Brown, George Faris	Pineville	Summer School
Brown, Mamie Ione	Buckhannon	Summer School
Brown, Mary Frances	Morgantown	Music
Brown, Wanda Esther	Heights	Music
Buckley, Ralph Barnett	Buckeye	Summer School
Bunch, Margaret	Huntington	Summer School
Cain, Harry E.	Fairmont	Summer School
Campbell, Anna Elizabeth	Summersville	Summer School
Carter, Ida Virginia	Elm Grove	Music
Cather, Maude Minshall	Morgantown	Music
Cavendish, Grace Jones	Montgomery	Summer School
Chambers, Mabel Sarah	Bethany	Summer School
Chancey, Mary Ellen	Poca	Summer School

Chapman, Ruby Arnice	Huntington	Summer School
Chesrown, Harold	McKees Rocks, Pa.	Summer School
Chidester, Floyd Earle	Wireton, Pa.	Music
Chittum, Mary Dille	Morgantown	Summer School
Clark, Bruce	Uniontown, Pa.	Music
Clark, Helen Watson	Morgantown	Music
Clark, Humboldt Yokum	Hemlock	Summer School
Clawson, Nevada Arietta	Parkersburg	Summer School
Clay, Earl Lewis	Rougemont, N. C.	Summer School
Coffindaffer, Cora Ruth	Jane Lew	Summer School
Coglan, Eleanor Virginia	Westernport, Md.	Summer School
Cohen, Pauline Pearl	Morgantown	Music
Cole, Blanche	Morgantown	Summer School
Collett, Irene Marie	Morgantown	Music
Collins, Willa	Fairmont	Music
Conn, Jacob Kemp	Point Morion, Pa.	Summer School
Conway, Joseph Rufus	Morgantown	Summer School
Cooper, Isabel	Hinton	Summer School
Cooper, Margaret Louise	Wellsburg	Music
Costolo, Conn	Gans, Pa.	Summer School
Crawford, Emily Catherine	Philippi	Music
Crouch, Mary Elizabeth	Elkins	Summer School
Crow, John Randall	Glen Easton	Summer School
Crowl, Helen Josephine	Fairmont	Music
Cullinan, Mary Agnes	Dean	Summer School
Cummings, Ferieda	Kingwood	Music
Cutlip, Joseph Regis	Morgantown	Music
Cypher, /Helen Anna	Ypsilanti, Mich.	Summer School
D'Amico, Laura	Morgantown	Music
Daniels,, Minnie Lohr	Parsons	Summer School
Darrall, Mary Leanna	Mt. Pleasant, Pa.	Summer School
Daughenbaugh, Fay Katheryn	Thomas	Summer School
Davies, Phillip J.	Morgantown	Music
Davis, James Foxworthy	Princeton	Summer School
Davis, Lucretia	Outcrop, Pa.	Summer School
Davis, Mary Alice	Morgantown	Music
Davis, Roberta Emma	Homestead, Pa.	Summer School
Davison, Nancy Mae	Morgantown	Music
Deitz, Delta	Richwood	Summer School
Delli Gatti, Frank	Fairmont	Summer School
Delynn, Gladys	Pittsburgh, Pa.	Summer School
Dennison, Katherine Frances	Clarksburg	Summer School
Dent, Sara Jane	Morgantown	Music
Denton, Myrtle	Corydon, Ky.	Summer School
Dilgarde, Dorothy	Uniontown, Pa.	Music
Dille, Lucile Beltzhoover	Morgantown	Music
Dornbush, Frank Donald	Bethany	Summer School
Dougan, Josephine	Morgantown	Music
Dowling, Carl Leroy	Wellsville, Ohio	Summer School
Duling, Hugo Bruce	Morgantown	Summer School
Dusenberry, Donald Joseph	Morgantown	Music
Duvall, Mary Adalyne	Claysville, Pa.	Summer School
Elder, Grayce Ernestine	Morgantown	Music
Elder, Mary Gladys	Morgantown	Music
Ellison, John Roland, Jr.	Suffolk, Va.	Summer School

Emerson, Dorothy Esther	Morgantown	Music
Emerson, John Francis	Morgantown	Music
Everly, Helen Core	Morgantown	Summer School
Federer, Allie Gertrude	Morgantown	Music
Federer, Ralph West	Morgantown	Music
Ferguson, Milton Carr	Huntington	Summer School
Fette, Bertha May	Wheeling	Summer School
Fiorentino, Elmer	Elkins	Music
Fisher, Edna Mae	Sutton	Music
Fleming, Elisabeth Robinson	West Newton, Pa.	Summer School
Fleming, Olive Marie	Grantsville	Music
Fling, Elsie Frances	Morgantown	Music
Fling, Fay	Morgantown	Music
Fordyce, Hazel	Fairview	Summer School
Fordyce, Sanford Tennant	Fairview	Summer School
Fowler, Mary Margaret	Sabraton	Summer School
Francis, Carl C.	Bethany	Summer School
Frank, Anna Leona	Morgantown	Music
Freeland, Lora	Morgantown	Music
Furbee, Ruth Estelle	Clarksburg	Summer School
Gamage, Harry George	Fairmont	Summer School
Garda, Peter	Pittsburgh, Pa.	Music
Garfield, Blanche Allendena	Morgantown	Summer School
Gibbons, Teresa	New Martinsville	Summer School
Gibson, Ercell Elizabeth	Morgantown	Music
Gibson, Inez	Hurricane	Summer School
Gibson, Loisbelle Baker	Morgantown	Music
Gilbert, Mary Brown	Morgantown	Music
Glover, Peter Luther	Morgantown	Summer School
Goddard, Hazel Mary	Morgantown	Music
Goodall, Chloe Lee	Charleston	Summer School
Goodall, Gladys Goldie	Charleston	Summer School
Goodrich, Cecile Pearl	Mt. Morris, Pa.	Music
Gore, Alvin Belton	Madison	Summer School
Graffuis, Irene Johnson	Fairmont	Music
Greer, Joseph Marion, Jr.	Hillsboro	Summer School
Gregg, Kenneth Carroll	Morgantown	Music
Gregg, Margaret Virginia	Morgantown	Music
Grimes, George	Fairmont	Summer School
Grose, Hester	Valley Fork	Summer School
Grose, Lois Margaret	Wheeling	Summer School
Grove, Mayme Leatherman	Romney	Summer School
Groves, Huling	Deepwell	Summer School
Grubbs, Alice Louise	Dendron, Va.	Summer School
Hahn, Rose Minnie	Arcadia, Fla.	Music
Hadden, Sara Mildred	Princeton	Summer School
Hall, Fonda Valera	Morgantown	Music
Hammel, Helen Eliza	Mannington	Music
Harold, Reatha Grace	Morgantown	Summer School
Haught, Edwin Pascal	Mannington	Summer School
Hecker, Norma Marian	Fairmont	Music
Helphrey, Daniel Anderson	Utica, Ohio	Summer School
Henderson, Virginia	Richwood	Music
Henry Elroy	Morgantown	Summer School
Hess, Eloise	Cowen	Music

Higgins, Thomas Jefferson	Washington, D. C.	Summer School
Hill, Elizabeth Florence	Morgantown	Summer School
Hill, Franklin Herman	Middlebourne	Summer School
Hilleary, Ethel	Deer Park, Md.	Summer School
Hoard, Kathleen Sara	Morgantown	Music
Hoff, Mary Gertrude	Smithfield	Music
Howard, Lynn Ray	Clarksburg	Summer School
Howard, Sylvia Ross	Clarksburg	Summer School
Hughes, Cathryne Frances	Morgantown	Music
Hughes, Mildred Geraldine	Morgantown	Music
Hupp, Ethel	Cameron	Summer School
Hutchins, John Catherine	Morgantown	Music
Hutchinson, Blanche Cook	Morgantown	Summer School
Jacobs, Grace Baldwin	Morgantown	Summer School
Jeffries, Garnet	Uniontown, Pa.	Music
Jenkins, Nellie Byron	Morgantown	Music
Jobes, Nellie	Pullman	Summer School
Johnson, Howard	Sandyville	Summer School
Johnston, Mary Pelley	Morgantown	Music
Johnston, Ruth Helene	Morgantown	Summer School
Johnston, Walton Bottimore	Bluefield	Summer School
Jones, Hayden Howel	Morgantown	Music
Jones, Hildred Blanco	Eden, Md.	Summer School
Kable, Louise Melville	Charles Town	Summer School
Kelley, Rose Ann	Salem	Summer School
Kelton, Lucy Stedman	Columbus, Ohio	Summer School
Kemper, Margaret Graham	Lynnwood, Va.	Summer School
Kennedy, Henry Robert Roger	Point Marion, Pa.	Music
Kenney, Charles Edwin	Clifty	Summer School
Kindelberger, Caroline Isabel	Wheeling	Music
King, Marjorie Adair	Morgantown	Music
Knott, Dewey Schley	Elkins	Summer School
Kramer, Emma Gertrude	So. Brownsville, Pa.	Summer School
Krepps, James Henry	Morgantown	Summer School
Lakenan, May	Morgantown	Summer School
Laporte, Daniel James	Adelaide, Pa.	Summer School
Lash, Viola Belle	Buckhannon	Summer School
Lawrence, Faith	Morgantown	Music
Lawson, Minerva Douglas	Elkins	Music
Lazzell, Flora Adelia	Morgantown	Music
Lee, Laura Frances	Morgantown	Music
Levine, Harry Alfred	Morgantown	Music
Lewis, Martha Jane	Morgantown	Music
Limpert, Walter Earl	Clarksburg	Summer School
Litsinger, George Alfred	Hinton	Summer School
Lockard, William Abram	Point Marion, Pa.	Summer School
Lough, Sara Ellen	Buckhannon	Summer School
Lowry, Esther Isabel	Huntington	Summer School
Lowther, Harriett Ruby	Mannington	Music
Lowther, Katharine Persis	Morgantown	Music
Lowther, Nadine	Clarksburg	Summer School
Loy, Bernard Cecil	Chelyan	Summer School
Loy, Melvin Parsons	S. Charleston	Summer School
Lusebrink, Hazel Charlotte	Morgantown	Music

Madden, Margaret	Morgantown	Music
Manger, John Arthur	Baltimore, Md.	Summer School
Manning, Anna Mae	Cameron	Summer School
Manown, J. Ross	Morgantown	Music
Marsh, Maude Ethel	Bristol	Summer School
Martin, Charles Beasley	Concord, Va.	Summer School
Maxwell, May Wilson	Elkins	Music
McClung, Hazel Dunbar	Sinks Grove	Summer School
McComas, Eupha Lee	Matoaka	Summer School
McCoy, Margaret Elizabeth	Parkersburg	Music
McDaniel, Floyd	Oceana	Summer School
McDonald, Rexford Glenn	Peterstown	Summer School
McKee, Alice J.	Morgantown	Music
McKinney, Robert Myers	Woodbine, Md.	Summer School
McVey, Howard Rodgers	Lewisburg	Summer School
Meredith, Kate	Morgantown	Summer School
Milam, Otis Huffman	Barrackville	Summer School
Miller, Harriet Jane	Morgantown	Music
Mitchell, Henry Clay	Wheeling	Summer School
Moore, Lucille Holden	Wallace	Music
Morris, Edna Leyman	Morgantown	Music
Moyers, Kennie Allen	Franklin	Summer School
Mullen, Malcolm Preston	Bunn, N. C.	Summer School
Murphy, Irene Gertrude	Morgantown	Summer School
Myers, Ruth Allan	Morgantown	Music
Nicholson, Harry	Adamston	Summer School
O'Dea, Bernadette	Littleton	Summer School
O'Farrell, Mary Catherine	Marlinton	Summer School
Olsey, Theodore James	Bethany	Summer School
Orr, Mary Martilla	Morgantown	Summer School
Oxley, Sweetland	Huntington	Summer School
Pagenhardt, Amy Marie	Westernport, Md.	Summer School
Parker, Joseph Wiley	Kelford, N. C.	Summer School
Parker, Ruth Fairfax	Morgantown	Music
Patterson, James Howard	Morgantown	Summer School
Patterson, Laurence George	Hopedale, Ohio	Summer School
Penn, Raymond Arthur	Powell, Ohio	Summer School
Philipson, Lillian Glueck	Morgantown	Summer School
Poland, Alice Hazel	Piedmont	Summer School
Powell, Nettie	Parkersburg	Summer School
Powell, Thomas E.	Parkersburg	Summer School
Price, Ocea May	Morgantown	Music
Pritchard, Ernest Markwood	West Union	Summer School
Prunty, Esther Jane	Morgantown	Music
Prunty Mildred Morine	Morgantown	Music
Pyles, Martha Emaline Delila	Matoaka	Summer School
Randolph, Maye E.	Williamson	Summer School
Rash, Emily Armorette	Gallagher	Summer School
Reed, Clara Ernestine	Morgantown	Music
Reed, Elizabeth Estelle	Morgantown	Music
Richards, Laura Bradley	Fairmont	Music
Richards, Margaret Dickey	Fairmont	Music
Roach, Jessie Mabel	Wolf Summit	Summer School
Roark, George Wheeler	Altavista, Va.	Summer School

Roberts, Edith Elizabeth	Morgantown	Music
Roberts, Jacob Earle	Point Marion, Pa.	Summer School
Robinson, Clara Lenore	Morgantown	Summer School
Robinson, Harry Grayden	Philippi	Summer School
Robinson, Merriem	West Newton, Pa.	Music
Rogers, Elsie Virginia	Monessen, Pa.	Music
Rogers, Genevieve	Morgantown	Music
Rogers, Minnie Virginia	Morgantown	Music
Rogers, Nettie Lorayne	Brown	Summer School
Rotunno, Lucille Adeline	Morgantown	Music
Rowley, Laura Vee	Shinnston	Summer School
Sacco, Carmine	Morgantown	Music
Sanders, Sara Frances	Morgantown	Music
Scranage, Mary Rector	Grafton	Summer School
Sedwick, Earle Jacob	Blacksville	Summer School
Shallenberger, Laura Braun	Latrobe, Pa.	Summer School
Shober, Veda Elizabeth	Garrett, Pa.	Summer School
Shoup, Jane Summerson	Morgantown	Summer School
Shriver, Pearle Coburn	Morgantown	Music
Shriver, Ruth Beulah	Morgantown	Music
Shriver, Verella May	Morgantown	Summer School
Shuttleworth, Mildred Rose	Fairmont	Summer School
Shuttleworth, Helen Miriam	Nutter Fort	Summer School
Sigwart, Alice Sophia	Morgantown	Music
Simpson, Mildred	Morgantown	Music
Slater, Sara	Morgantown	Music
Slawter, Harry	Bridgeport	Summer School
Smith, Margaret Elizabeth	Morgantown	Music
Smith, Margaret Maude	Fairmont	Summer School
Smith, Marguerite Elizabeth	Morgantown	Summer School
Smith, Mildred Alma	Monessen, Pa.	Music
Snyder, Suzan Evaleen	Bayard	Summer School
Spargo, Caroline	Wheeling	Summer School
Staley, Mary Pansy	Kenova	Summer School
Steele, Martha Pauline	Stouts Mills	Summer School
Sterling, Mabel Virginia	Dilliner, Pa.	Music
Stewart, Garnet Ruth	Morgantown	Music
Stewart, William Jennings	Salem	Summer School
Stiles, Dennis	Morgantown	Music
Stout, Pauline	Bridgeport	Summer School
Strader, Leslie Hermson	Morgantown	Summer School
Straight, Herschel Bryan	Rivesville	Summer School
Strobel, George Elwood	Cameron	Summer School
Summerson, Thelma Elizabeth	Portsmouth, Va.	Music
Sumpstine, Wilbur	Somerset, Pa.	Summer School
Swartz, Lakey Eloise	Hendricks	Summer School
Taylor, Claude Baker	Wayne	Summer School
Taylor, Dorothy	Morgantown	Music
Taylor, Ok Nina	Hurricane	Summer School
Thomas, Ethel Mae	Bruceton Mills	Summer School
Thompson, Mary Ruth	Morgantown	Summer School
Tibbs, Ruth	Morgantown	Music
Titterington. Arvilla Hotchkiss	Logan	Summer School
Toothman, Homer Clinton	Fairmont	Summer School
Toothman, Ocie Mabel	Fairmont	Music

Trotter, Georgia Ellen	Marysville, Wash.	Music
Tyre, Lela Mae	Elkins	Summer School
Ulrich, Harriet Edna	Wheeling	Music
Van Deren, Sarah Margaret	Danville	Summer School
Warren, Josephine Bean	Clay	Summer School
Waters, Lela	Morgantown	Summer School
Watkins, Anne Elise	Buckhannon	Summer School
Watson, Dorothy Elizabeth	Morgantown	Summer School
Watson, Lucille	Albright	Summer School
Weaver, Charles Walter	Emory, Va.	Summer School
Welling, Edna Rachael	McMechen	Summer School
White, Lucille Page	Clarksburg	Summer School
White, Stanley Ray	Morgantown	Summer School
Whitman, Mary Atkins	Beckley	Summer School
Wiles, Myrle	Morgantown	Music
Wilkes, Edythe Sylvia	Morgantown	Music
Williams, Edith Eugenia	Morgantown	Music
Williams, Harriett	Morgantown	Music
Williams, Mary Margaret	Morgantown	Music
Willison, Clara Elizabeth	Oakland, Md.	Summer School
Wilson, Frank Ausbin	Walkersville	Summer School
Wilson, Harry Inskip	Blaine	Summer School
Wilson, James William	Weston	Summer School
Wilson, Varina Maree	Hinton	Summer School
Winter, Rupert Edward	Shinnston	Summer School
Wolfe, Marshall Richard	Morgantown	Summer School
Wood, Nellie Ash	Reader	Summer School
Woofter, Mary Bush	Salem	Music
Yost, Orin Ross	Kimball	Summer School
Zeh, Pansy Wilcox	Morgantown	Music
Zimmerman, Flora Felton	Morgantown	Summer School

SUMMARY OF UNIVERSITY ENROLLMENT FOR 1924-1925.

I. Enrolled as Candidates for Degrees.

	Graduate			Senior			Junior			Sophomore			Freshman			Total			Special			Total		
	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
Arts & Sciences	63	39	101	86	92	178	118	122	240	223	132	355	335	163	498	824	548	1372	7	7	14	831	555	1386
Engineering	6	0	6	68	0	68	64	0	64	120	1	121	148	0	148	406	1	407	4	0	4	410	1	411
Agriculture	31	1	32	30	27	57	21	24	45	10	38	48	30	51	81	122	141	263	10	2	12	132	143	275
Law				32	0	32	39	0	39	36	1	37				107	1	108	6	1	7	113	2	115
Medicine				51	2	53	63	0	63							114	2	116				114	2	116
Pharmacy				1	0	1	5	0	5	9	2	11	21	1	22	36	3	39				36	3	39
Totals	99	40	139	268	121	389	310	146	456	398	174	572	534	215	749	1609	696	2305	27	10	37	1636	706	2342

II. Enrolled in Other Departments at Morgantown:

The School of Music	16	120	136
The Summer School (not counted elsewhere)	86	132	218
Summer School of Mining	46	00	46
Farmers' Week	220	107	327
Total	368	359	727
Total enrollment at Morgantown	2004	1065	3069

III. Enrolled in Extension Courses:

In Industrial Education	12	00	12
In Arts and Sciences	38	155	193
In Mining Extension	1187	00	1187
Total	1237	155	1392
Grand Total	3241	1220	4461
Enrolled from other States and Countries			271
Total enrollment in the Summer School	441	418	859

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